

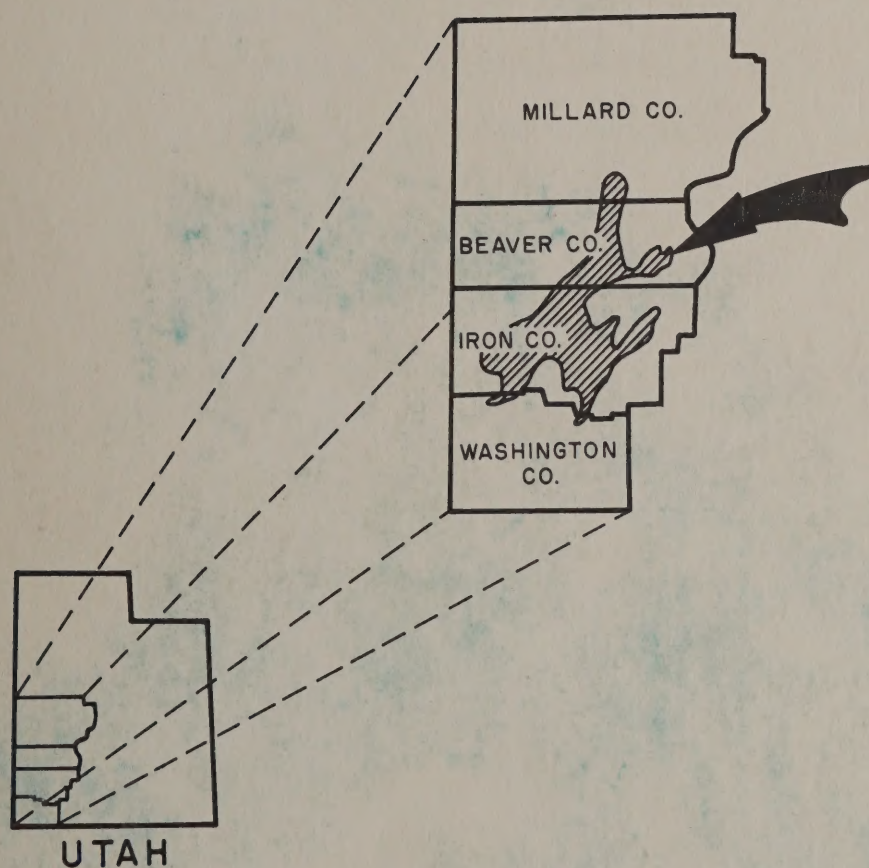


BASIC-DATA REPORT NO. 6

GROUND-WATER DATA

PARTS OF WASHINGTON, IRON, BEAVER, AND MILLARD COUNTIES

UTAH



BEAVER
ESCALANTE
CEDAR CITY
PAROWAN
VALLEYS

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BASIC-DATA REPORT NO. 6

GROUND-WATER DATA

BEAVER, ESCALANTE, CEDAR CITY, AND PAROWAN VALLEYS
PARTS OF WASHINGTON, IRON, BEAVER, AND MILLARD COUNTIES, UTAH

By

George W. Sandberg, Hydraulic Engineer

U.S. Geological Survey

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1963

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Introduction

This report is intended to serve two purposes: (1) to make available to the public basic ground-water data useful in planning and studying development of water resources, and (2) to supplement an interpretive report that will be published later.

Records were collected during the period 1935-62 by the U.S. Geological Survey in cooperation with the Utah State Engineer as part of the investigation of ground-water conditions in the Beaver, Escalante, Cedar City, and Parowan Valleys. This report will include records collected subsequent to data published in earlier reports listed in the bibliography. The interpretive material will be published in a companion report by George W. Sandberg.

This report is most useful in predicting conditions likely to be found in areas that are being considered as well sites. The person considering the new well can spot the proposed site on plate 1 and examine the records of nearby wells as shown in the tables and figure 2. From table 1 he can note such things as diameter, depth, water level, yield, use of water, and depth to aquifers in wells in the vicinity, and from the well logs in table 3 he can note the type of material that yields water to the wells. Table 2 gives several years record of yields and pumping levels of irrigation wells, and in table 4 are the chemical analyses of water from wells and springs. Figure 2 shows the historic fluctuations and trends of water levels in the four valleys. If the reader decides from his examination that conditions are favorable, he can place an application to drill a well with the State Engineer. During the past several years, however, the State Engineer has rejected new applications to appropriate water in major portions of Beaver Valley, Milford and Beryl-Enterprise districts in Escalante Valley, and Cedar City Valley. Anyone seeking to initiate a new ground-water right in any of these areas should obtain information from the State Engineer's Office in either Salt Lake City or Cedar City to determine the likelihood of approval of the required application.

The report is also useful when planning large-scale developments of water supply. This and other uses of the report will be helped by use of the interpretive report upon its release.

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- Waite, H. A., Nelson, W. B., Lofgren, B. E., Barnell, R. L., and Butler, R. G., 1954, Status of ground-water development in four irrigation districts in southwestern Utah, in Progress report on selected ground-water basins in Utah: Utah State Engineer Tech. Pub. 9, p. 5-93.

Well-numbering system used in Utah

The well numbers used in this report indicate the well location by land subdivision according to a numbering system that was devised co-operatively by the Utah State Engineer and G. H. Taylor of the Geological Survey about 1935. The system is illustrated in figure 1. The complete well number comprises letters and numbers that designate consecutively the quadrant and township (shown together in parentheses by a capital letter designating the quadrant in relation to the base point of the Salt Lake base and meridian, and numbers designating the township and range); the number of the section; the quarter section (designated by a letter); the quarter of the quarter section; the quarter of the quarter-quarter section; and, finally, the particular well within the 10-acre tract (designated by a number). By this system the letters A, B, C, and D designate respectively the northeast, northwest, southwest, and southeast quadrants of the standard base and meridian system of the Bureau of Land Management, and the letters a, b, c, and d designate the northeast, northwest, southwest, and southeast quarters of the section, of the quarter section, and of the quarter-quarter section. Thus, the number (B-2-2)12dcd-2 designates well 2 in the $SE\frac{1}{4}SW\frac{1}{4}SE\frac{1}{4}$ sec. 12, T. 2 N., R. 2 W., the letter B showing that the township is north of the Salt Lake base line and the range is west of the Salt Lake meridian; and the number (D-3-2)34bca-1 designates well 1 in the $NE\frac{1}{4}SW\frac{1}{4}NW\frac{1}{4}$ sec. 34, T. 3 S., R. 2 E.

Table 1.--Records of selected wells and springs in the Beaver, Escalante, Cedar City, and Parowan Valleys

Well number: See text for description of well-numbering system.

Method of lift: C, centrifugal pump; F, flowing; Cy, cylinder pump; N, none; J, jet pump; T, turbine pump; Ts, submersible turbine pump.

Pump: Type of power - D, diesel; E, electric; N, none; W, wind.

Use of water: D, domestic; I, irrigation; N, none; O, observation; P, public supply; S, stock.

Yield: All measurements made during 1962 except in the Beryl-Enterprise district where wells were measured in 1961 and 1962. Yields for Beryl-Enterprise district, Milford district, and Cedar City Valley, except where drawdown is listed in "Other available data" column, measured by the Utah State Engineer, all other measurements by the U.S. Geological Survey. Gpm, gallons per minute.

Depth to water-bearing aquifers: Data from Bureau of Economic and Business Research, University of Utah.

Other available data: C, chemical analysis in table 4; Dd, drawdown, the distance between the static and pumping water levels; H, hydrograph in figure 2; L, log in table 3; P, pumping levels and discharges in table 2.

| Well number | Owner or user | Year drilled (19) | Depth of well (feet) | Diameter of well (inches) | Method of lift | Pump | | Use of water | Altitude of land-surface datum (feet) | Water level before and after pumping season, 1962, above (+) or below (-) land-surface datum (feet) | | | | Temperature (°F) | Yield (gpm) | Depth to water-bearing aquifers (feet) | Other available data |
|---------------------------------------|---|--------------------|----------------------|---------------------------|----------------|---------------|---------------------------|--------------|---------------------------------------|---|-------------|-------|-------------|------------------|-------------|--|----------------------|
| | | | | | | Type of power | Horsepower of prime mover | | | Date | Water level | Date | Water level | | | | |
| | | | | | | | | | | | | | | | | | |
| Beaver Valley | | | | | | | | | | | | | | | | | |
| (C-28-7) | | | | | | | | | | | | | | | | | |
| 15ccc-1 | P. Larson | 59 | 508 | 14 | T | D | - | I,O | 6,179 | 4- 4 | -95.9 | - | - | - | - | - | |
| 16aad-1 | L. Bradshaw | 50 | 370 | 10 | T | E | 40 | I | 6,220 | - | - | - | - | 60 | 707 | - | |
| 16dba-1 | V. Bradshaw | 56 | 300 | 14 | T | E | 30 | I | 6,205 | - | - | - | - | - | - | - | |
| 21daa-1 | L. Bradshaw | 59 | 232 | 12 | T | E | 30 | I,O | 6,152 | 4- 4 | -34.4 | 10-16 | -31.0 | 53 | 458 | - | C. |
| (C-29-7) | | | | | | | | | | | | | | | | | |
| 3cbb-1 | H. Hodges | - | - | 36 | N | N | - | O | 6,064 | 4- 4 | -15.7 | 10-16 | -16.3 | - | - | - | H. |
| 16aaa-1 | Bradshaw and Baldwin | 50 | 185 | 14 | T | E | 30 | I,O | 5,978 | 4- 4 | -60.7 | - | - | 54 | - | 49, 74, 173 | L. |
| 19baa-1 | W. Yardley | - | - | 14 | T | E | 30 | I | 5,795 | - | - | - | - | - | - | - | |
| 19bad-1 | J. Morgan | 50 | 136 | 12 | T | E | 40 | I | 5,790 | - | - | - | - | - | 1,145 | 49, 71, 123 | |
| 19bcd-1 | P. J. Smith | 50 | 256 | 16 | T | E | 40 | I,O | 5,769 | 4- 2 | -21.1 | 10-16 | -14.2 | 56 | 1,310 | 20 | C. |
| 21baa-1 | R. Yardley | 34 | 140 | 12 | T | D | - | I,O | 5,869 | 4- 2 | -26.5 | 10-16 | -18.9 | - | - | 34, 83, 115 | H. |
| 21cad | Utah Fish and Game Comm. | - | - | - | - | - | - | S | 5,822 | - | - | - | - | 56 | - | - | C, spring. |
| 21cda-1 | do | - | - | - | - | T | E | 50 | 5,820 | - | - | - | - | 54 | - | - | C. |
| 21cdb | do | - | - | - | - | - | - | S | 5,822 | - | - | - | - | 57 | - | - | C, spring. |
| 28dbd-1 | P. Anderson | - | 213 | 6 | J | E | - | D,O | 5,860 | 4- 4 | -20.1 | 10-16 | -17.7 | - | - | - | H, L. |
| 32daa-1 | D. Harris | 50 | 228 | 12 | T | E | 40 | I,O | - | 4- 4 | -15.5 | - | - | - | 563 | 55, 139, 200 | |
| 32dbd-1 | A. T. Smith | 50 | 156 | 14 | T | E | 30 | I,O | - | 4- 4 | -36.0 | - | - | 57 | 812 | - | |
| (C-29-8) | | | | | | | | | | | | | | | | | |
| 9bad-1 | O. and D. Harris | 34 | 150 | 6½ | Cy | W | - | S | 5,618 | - | - | - | - | 64 | - | 130 | C. |
| 20caa-1 | S. Jessup | 59 | 175 | 12 | T | E | 30 | I | 5,580 | - | - | - | - | 54 | 538 | 46 | |
| 23cab-1 | M. Smith | 61 | 440 | 14 | T | E | 40 | I | 5,720 | - | - | - | - | 63 | - | - | |
| 24aaa-1 | J. Morgan | - | - | 14 | T | D | - | I | 5,794 | - | - | - | - | 62 | 818 | - | |
| 24dba-1 | R. Yardley | - | - | 14 | T | E | 30 | I | 5,745 | - | - | - | - | - | 467 | - | |
| 25cac-2 | Greenville Ward, Latter-Day Saints Church | 05 | 340 | 2 | F | N | - | I,O | 5,668 | 5- 7 | +10.5 | 10-16 | +11.2 | 68 | - | - | C, H, L. |
| 31add-1 | R. Kessler | 56 | 310 | 14 | T | D | - | I,O | 5,554 | 4- 2 | -41.5 | 10-16 | -43.0 | 53 | 920 | 37 | C. |
| 35bad-1 | Abandare Canal Co. | 61 | 514 | 16 | T | E | - | I | - | - | - | - | - | 61 | - | 90 | |
| 36aca-1 | do | 34 | 360 | 7 | F | - | - | I | - | - | - | - | - | - | - | - | |
| 36aca-2 | do | 34 | 360 | 7 | F | - | - | I | - | - | - | - | - | - | - | - | |
| (C-29-9) | | | | | | | | | | | | | | | | | |
| 36dcc | Minersville Res. and Irr. Co. | - | - | - | - | - | - | I | - | - | - | - | - | 53 | - | - | C, spring. |
| Escalante Valley, Black Rock district | | | | | | | | | | | | | | | | | |
| (C-25-9) | | | | | | | | | | | | | | | | | |
| 17dab-1 | C. E. Lewis | 40 | 129 | 3½ | - | - | - | N | - | - | - | - | - | - | - | - | L. |
| (C-25-10) | | | | | | | | | | | | | | | | | |
| 5cdd-1 | V. Kaufman | 57 | 62 | 6 | - | - | - | N | - | - | - | - | - | - | - | - | L. |
| (C-25-11) | | | | | | | | | | | | | | | | | |
| 9cad-1 | Bureau of Land Management | 47 | 329 | 6 | - | - | - | N | 4,989 | - | - | - | - | - | - | - | L, dry hole. |
| (C-26-10) | | | | | | | | | | | | | | | | | |
| 32cad-2 | R. Pearson | 49 | 332 | 6 | Cy | W | - | S | 4,878 | - | - | - | - | - | - | - | L. |
| (C-27-10) | | | | | | | | | | | | | | | | | |
| 6ddb-1 | L. Bagnall | - | - | - | Cy | W | - | S | 4,915 | 6-21 | -9.5 | - | - | 56 | - | - | C. |
| Escalante Valley, Milford district | | | | | | | | | | | | | | | | | |
| (C-27-10) | | | | | | | | | | | | | | | | | |
| 29dbc-1 | L. Sullivan | 17 | 231 | 4 | N | N | - | N | 4,959 | - | - | - | - | - | - | - | L. |
| 31bdd-1 | D. Kirk | - | 700 | - | N | N | - | N | 5,060 | - | - | - | - | - | - | - | L. |
| 31cac-1 | P. Theobald | 56 | 700 | 14 | T | D | - | I,O | 5,046 | 4- 2 | -85.7 | 10-11 | -88.6 | - | 743 | - | |
| (C-28-10) | | | | | | | | | | | | | | | | | |
| 7adb-1 | City of Milford | 47 | 533 | 12 | T | E | - | P | 5,000 | - | - | - | - | 78 | - | 298, 420, 440 | C. |
| 7dab-1 | do | 41 | 557 | - | N | N | - | N | 4,970 | - | - | - | - | - | - | - | L. |
| 8cac-1 | Gillians and Myers | - | - | - | T | E | - | I | 4,955 | - | - | - | - | - | 350 | - | |
| 8dbb-1 | do | 55 | 145 | 14 | T | E | 15 | I | 4,959 | 4- 2 | -8.3 | - | - | - | 350 | - | |
| 16cda-1 | J. Mayer | - | 450 | 14 | T | D | - | I | 5,026 | 3-31 | -43.7 | - | - | - | 890 | - | |
| 16cdd-1 | Gillians and Myers | 60 | 949 | 14 | T | D | - | I | 5,026 | - | - | - | - | - | 980 | - | |
| 17acb-1 | M. H. Pool | - | - | 14 | T | E | 7½ | I | 4,970 | - | - | - | - | - | 157 | - | |
| 17ccc-1 | G. C. Goodwin | 34 | 92 | 14 | T | E | 7½ | I,O | 4,970 | 3-31 | -17.4 | 10-11 | -22.7 | 58 | 545 | 37, 65, 86 | C. |
| 17cdc-2 | do | 53 | 220 | 14 | T | E | 7½ | I | 4,971 | - | - | - | - | - | 407 | 24, 50 | Dd 21.5 ft. |
| 17cdd-1 | K. Taylor | 49 | 170 | 14 | T | E | 7½ | I | 4,975 | - | - | - | - | - | 594 | 40, 58, 102 | P, Dd 15.3 ft. |
| 17dcd-1 | E. Smith | 51 | 155 | 14 | T | E | 7½ | I | 4,986 | - | - | - | - | - | 315 | - | |

Table 1.--Records of selected wells and springs in the Beaver, Escalante, Cedar City, and Parowan Valleys - Continued

| Well number | Owner or user | Year drilled (19) | Depth of well (feet) | Diameter of well (inches) | Method of lift | Pump | | Use of water | Altitude of land-surface datum (feet) | Water level before and after pumping season, 1962, above (+) or below (-) land-surface datum (feet) | | | | Temperature (°F) | Yield (gpm) | Depth to water-bearing aquifers (feet) | Other available data |
|--|--|--------------------|----------------------|---------------------------|----------------|---------------|---------------------------|--------------|---------------------------------------|---|-------------|-------|-------------|------------------|-------------|--|----------------------|
| | | | | | | Type of power | Horsepower of prime mover | | | Date | Water level | Date | Water level | | | | |
| | | | | | | | | | | | | | | | | | |
| Escalante Valley, Milford district - Continued | | | | | | | | | | | | | | | | | |
| (C-28-10) | | | | | | | | | | | | | | | | | |
| 18aca-2 | G. C. Goodwin | 55 | 180 | 14 | T | E | 7½ | I | 4,930 | - | - | - | - | - | 430 | - | |
| 18bc-1 | L. Mayer | - | 193 | 14 | T | E | 5 | I,0 | 4,970 | 3-31 | -18.6 | 10-11 | -23.2 | - | - | - | |
| 19abd-2 | T. E. Walker | 61 | 189 | 10 | T | E | - | I | 4,970 | - | - | - | - | - | 505 | 68 | |
| 19acc-2 | C. Marshall | - | 200 | 14 | T | E | 10 | I | 4,973 | - | - | - | - | - | 436 | - | |
| 19add-2 | do | 54 | 160 | 14 | T | E | 15 | I,0 | 4,974 | 3-31 | -18.6 | 10-11 | -25.7 | - | 426 | - | H, Dd 29.4 ft. |
| 19bbc-1 | L. Mayer | 35 | 71 | 14 | T | E | 5 | I | 4,969 | - | - | - | - | - | - | - | |
| 19bcd-1 | do | 36 | 58 | 12 | T | E | 7½ | I | 4,972 | - | - | - | - | - | - | 14, 34, 46 | |
| 19cbd-1 | D. Yardley | - | 90 | 14 | T | E | 10 | I | 4,974 | - | - | - | - | - | - | - | |
| 19ccd-4 | do | 35 | 102 | 16 | T | E | 7½ | I | 4,976 | - | - | - | - | - | - | 16, 82 | |
| 19dac-1 | J. Ballenger | 35 | 86 | 14 | T | E | 10 | I | 4,977 | - | - | - | - | - | - | 29, 57, 77 | |
| 19dad-2 | do | 57 | 280 | 14 | T | E | 30 | I | 4,978 | - | - | - | - | - | - | 27, 60 | |
| 19dcc-2 | H. L. Tolley | 52 | 125 | 11 | T | E | 15 | I | 4,980 | - | - | - | - | - | 464 | 37, 81, 103 | |
| 19ddd-1 | F. Wright | - | 109 | 16 | T | E | - | I | 4,981 | - | - | - | - | - | 356 | - | |
| 20bdd-2 | W. Nichols | 56 | 140 | 14 | T | E | 7½ | I | 4,974 | - | - | - | - | - | 378 | - | |
| 20bdd-1 | D. Jones | - | 85 | 16 | T | E | 10 | I | 4,974 | - | - | - | - | - | 995 | - | |
| 20ccc-1 | do | 57 | 90 | 14 | T | E | 30 | I | 4,982 | - | - | - | - | - | 286 | - | |
| 20ccd-2 | do | 57 | 344 | 14 | T | E | 10 | I | 4,983 | - | - | - | - | - | 364 | 60 | |
| 20cdd-2 | J. Ballenger | 52 | 120 | 14 | T | E | 15 | I | 4,985 | - | - | - | - | - | - | 40, 66, 93 | |
| 20daa-1 | C. R. Wiseman | 58 | 360 | 14 | T | D | - | I | 4,992 | - | - | - | - | - | - | - | |
| 20dcd-1 | do | - | 65 | 12 | T | E | 40 | I | 4,992 | - | - | - | - | - | 387 | - | |
| 20ddd-1 | do | 50 | 410 | 14 | T | E | 40 | I | 4,997 | 3-31 | -32.3 | - | - | 62 | 837 | - | L. C. |
| 21ccd-1 | do | 46 | 316 | 12 | T | E | 10 | I | 5,009 | - | - | - | - | 58 | 194 | - | |
| 28cdd-1 | J. Miner | 54 | 355 | 16 | T | E | 40 | I,0 | 5,019 | 3-31 | -40.7 | 10- 8 | -48.0 | - | 935 | - | |
| 29add-1 | Mayer Bros. | - | 543 | 16 | T | E | 75 | I | 4,999 | - | - | - | - | - | 800 | - | |
| 29bcc-2 | M. Williams | 53 | 257 | 14 | T | E | 30 | I | 4,989 | - | - | - | - | - | 890 | 19, 40 | |
| 29bcd-2 | do | 36 | 70 | 14 | T | E | 10 | I | 4,989 | - | - | - | - | - | 230 | - | |
| 29bdd-2 | D. Evans | 56 | 200 | 14 | T | E | 15 | I | 4,991 | - | - | - | - | - | 445 | - | |
| 29cad-2 | J. H. Lofthouse | 56 | 204 | 14 | T | E | 10 | I | 4,994 | - | - | - | - | - | 216 | 35 | |
| 29ccc-1 | W. Yardley | 36 | 74 | 14 | T | E | - | I | 4,991 | - | - | - | - | - | - | 10, 41, 69 | |
| 29ccd-2 | do | 60 | 156 | 12 | T | E | 15 | I | 4,993 | - | - | - | - | - | 266 | 50 | |
| 29cdd-2 | do | 56 | 220 | 14 | T | E | 15 | I | 4,995 | - | - | - | - | - | 580 | 30 | |
| 29dcc-2 | L. Rowley | 58 | 180 | 14 | T | E | 30 | I | 4,999 | - | - | - | - | - | 518 | 67, 106, 169 | |
| 29ddd-1 | J. Miner | 54 | 365 | 16 | T | E | 75 | I | 5,005 | - | - | - | - | - | 387 | - | |
| 30acd-2 | M. Williams | 50 | 99 | 16 | T | E | 7½ | I | 4,981 | - | - | - | - | - | 292 | 16, 44, 92 | |
| 30adc-1 | do | 35 | 100 | 14 | T | E | 7½ | I | 4,981 | - | - | - | - | - | - | - | |
| 30bdc-2 | J. Baldwin | 53 | 131 | 14 | T | E | 10 | I | 4,982 | - | - | - | - | - | 315 | - | |
| 30bdd-2 | do | 52 | 148 | 16 | T | E | 10 | I | 4,981 | - | - | - | - | 58 | 350 | - | C. |
| 30cac-1 | C. Griffiths | - | 196 | 16 | T | E | 10 | I | 4,989 | - | - | - | - | - | 410 | - | |
| 30cad-2 | D. Yardley | - | - | 14 | T | E | 7½ | I | 4,990 | - | - | - | - | - | 180 | - | |
| 30cdc-2 | M. Griffiths | 54 | 160 | 14 | T | E | 15 | I,0 | 4,994 | 3-31 | -30.5 | 10- 8 | -45.6 | - | 380 | 36, 101, 145 | P, Dd 43.5 ft. |
| 31acd-2 | C. Gillians | 56 | 140 | 14 | T | E | 7½ | I | 5,001 | - | - | - | - | - | - | 72, 114, 130 | |
| 31adc-2 | Beaver Stake, Latter-Day Saints Church | 51 | 175 | 14 | T | E | 20 | I | 5,002 | - | - | - | - | - | 715 | - | |
| 31bac-2 | R. Thurston | 35 | 160 | 14 | T | E | 10 | I | 4,997 | - | - | - | - | - | 216 | - | |
| 31bad-2 | R. W. Jones | 61 | 290 | 14 | T | E | 15 | I | 4,999 | - | - | - | - | - | 310 | - | |
| 31bcd-2 | H. Naruse | 53 | 136 | 14 | T | E | 15 | I | 5,002 | - | - | - | - | - | 378 | - | |
| 31bdd-1 | C. Gillians | 54 | 160 | 16 | T | E | 7½ | I | 5,003 | - | - | - | - | - | 393 | - | Dd 22.9 ft. |
| 31bdd-3 | H. Naruse | 56 | 240 | 14 | T | E | 20 | I | 5,003 | - | - | - | - | - | 337 | 40, 236 | |
| 31cad-2 | C. Gillians | - | 150 | 14 | T | E | 7½ | I | 5,008 | - | - | - | - | - | 400 | - | |
| 31ccd-3 | F. Myers | 36 | 128 | 14 | T | E | 20 | I | 5,008 | - | - | - | - | - | 598 | - | |
| 31cdd-2 | O. T. Puffer | 52 | 172 | 14 | T | E | 10 | I | 5,012 | - | - | - | - | 58 | 617 | 42, 117, 161 | |
| 31dcc-2 | do | 60 | 220 | 12 | T | E | 10 | I | 5,013 | - | - | - | - | - | 292 | 60 | |
| 31dcd-2 | do | 55 | 176 | 16 | T | E | 20 | I | 5,013 | - | - | - | - | - | 545 | - | |
| 31ddc-2 | L. Gillians | 49 | 195 | 12 | T | E | 15 | I | 5,012 | - | - | - | - | - | 518 | - | |
| 32aad-1 | J. H. Valine | 56 | 171 | 14 | T | E | 15 | I | 5,004 | - | - | - | - | - | 378 | 70, 145, 164 | |
| 32bad-1 | W. Yardley | - | 84 | 14 | T | E | 10 | I | 5,000 | - | - | - | - | - | 297 | - | |
| 32bbc-1 | do | 35 | 132 | 14 | T | E | 15 | I | 4,992 | - | - | - | - | - | 378 | 36, 60, 81 | |
| 32cac-1 | D. Alger | 36 | 109 | 14 | T | E | 25 | I | 5,009 | - | - | - | - | - | 562 | 72, 97, 105 | |
| 32ccd-2 | L. Paice | 52 | 102 | 14 | T | E | 15 | I | 5,011 | - | - | - | - | - | 197 | 58, 65, 80 | |
| 32cdc-1 | C. E. and L. Paice | - | - | 14 | T | E | - | I | 5,014 | - | - | - | - | - | - | - | |
| 32dcd-1 | do | 40 | - | 14 | T | E | 20 | I | 5,015 | - | - | - | - | - | - | - | |
| 32dcd-1 | do | 55 | 300 | 14 | T | E | 30 | I | 5,019 | - | - | - | - | - | 374 | 34, 51 | |
| 32ddd-1 | G. Van Tassile | 54 | 287 | 14 | T | E | 60 | I,0 | 5,021 | 3-31 | -46.3 | 10-16 | -57.8 | 48 | - | - | |
| (C-28-11) | | | | | | | | | | | | | | | | | |
| 3dba-1 | A. Hansen | - | 500 | - | N | N | - | N | 4,989 | - | - | - | - | - | - | - | L. |
| 12dbc-1 | M. Persons | 54 | 460 | 14 | T | D | - | I | 5,029 | - | - | - | - | 63 | 784 | 70 | |
| 22dab-1 | Houston and Goff | 39 | 72 | 8 | J | D | - | S,0 | 5,009 | 4- 2 | -39.9 | 10-16 | -41.6 | - | - | 54 | H. |
| 23cbb-2 | L. Gronning | 52 | 95 | 16 | T | D | - | I | 4,978 | - | - | - | - | 58 | 820 | 38 | |
| 24daa-1 | L. Mayer | 50 | 204 | 12 | T | E | 7½ | I,0 | 4,973 | 3-31 | -17.5 | - | - | - | 378 | 70, 180, 188 | |
| 25abd-1 | G. Smith | 28 | 77 | 14 | T | E | 10 | I | 4,974 | - | - | - | - | - | 356 | - | |
| 25dcd-1 | Green Diamond Ranch | 50 | 431 | 14 | T | E | 75 | I,0 | 4,986 | 4- 2 | -22.9 | - | - | 67 | 1,850 | - | C. |
| 25ddd-2 | K. Smith | 54 | 150 | 14 | T | E | 10 | I | 4,989 | - | - | - | - | - | 301 | 71, 93, 130 | |

Table 1.--Records of selected wells and springs in the Beaver, Escalante, Cedar City, and Parowan Valleys - Continued

| Well number | Owner or user | | Year drilled (19) | Depth of well (feet) | Diameter of well (inches) | Method of lift | Pump | | Use of water | Altitude of land-surface datum (feet) | Water level before and after pumping season, 1962, above (+) or below (-) land-surface datum (feet) | | | | Temperature (°F) | Yield (gpm) | Depth to water-bearing aquifers (feet) | Other available data |
|--|--|--|--------------------|----------------------|---------------------------|----------------|---------------|---------------------------|--------------|---------------------------------------|---|-------------|-------|-------------|------------------|-------------|--|----------------------|
| | | | | | | | Type of power | Horsepower of prime mover | | | Date | Water level | Date | Water level | | | | |
| | | | | | | | | | | | | | | | | | | |
| Escalante Valley, Milford district - Continued | | | | | | | | | | | | | | | | | | |
| (C-28-11) | | | | | | | | | | | | | | | | | | |
| 35aad-1 | M. Stewart | | 35 | 51 | 14 | T | E | 7½ | I | 4,987 | - | - | - | - | - | 234 | 12, 46 | |
| 35add-1 | I. Stewart | | 51 | 171 | 14 | T | E | 7½ | I, O | 4,992 | 4- 2 | -23.4 | - | - | - | 185 | - | |
| 35ddd-2 | D. Sly | | 52 | 150 | 16 | T | E | 15 | I | 5,000 | - | - | - | - | - | 513 | 54, 110, 143 | |
| 36aad-1 | J. Moore | | 49 | 110 | 16 | T | E | 10 | I | 4,996 | - | - | - | - | - | 441 | - | |
| 36add-2 | G. Smith | | - | 154 | 14 | T | E | 10 | I, O | 4,998 | 4- 2 | -29.8 | 10-16 | -42.2 | - | 268 | - | |
| 36bac-1 | W. J. Stewart | | 49 | 140 | 14 | T | E | 7½ | I | 4,986 | - | - | - | - | - | 436 | - | |
| 36bdd-2 | M. Stewart | | - | 230 | 14 | T | E | 10 | I | 4,992 | - | - | - | - | - | 563 | - | |
| 36cad-3 | I. Stewart | | 49 | 170 | 14 | T | E | 10 | I | 4,998 | - | - | - | - | - | 333 | - | |
| 36cbd-2 | Mayer Bros. | | - | 78 | 14 | T | E | 7½ | I | 4,997 | - | - | - | - | - | - | - | |
| 36cca-1 | do | | - | 84 | 14 | T | E | 7½ | I | 4,997 | - | - | - | - | - | 437 | - | |
| 36cdd-3 | H. S. Thompson | | 51 | 156 | 16 | T | E | 15 | I | 5,001 | - | - | - | - | - | 563 | 38, 66, 138 | |
| 36dcc-3 | do | | 51 | 100 | 16 | T | E | 10 | I | 5,002 | - | - | - | - | - | 297 | 50, 65, 98 | |
| 36ddd-2 | D. Rollins | | 36 | 80 | 14 | T | E | 10 | I | 5,005 | - | - | - | - | - | 275 | 32, 49, 71 | |
| 36ddd-3 | do | | 56 | 204 | 14 | T | E | 7½ | I | 5,005 | - | - | - | - | - | 185 | 25 | |
| (C-29-10) | | | | | | | | | | | | | | | | | | |
| 5add-1 | G. Van Tassle | | 53 | 310 | 16 | T | E | 40 | I | 5,031 | - | - | - | - | - | - | - | |
| 5bac-2 | Beaver Stake, Latter-Day Saints Church | | 53 | 178 | 14 | T | E | 10 | I | 5,020 | - | - | - | - | - | 428 | - | |
| 5cad-2 | G. Van Tassle | | 57 | 300 | 14 | T | E | - | I | 5,031 | - | - | - | - | - | 1,052 | - | |
| 5cdd-3 | do | | 49 | 198 | 12 | T | E | 20 | I, O | 5,037 | 3-31 | -58.3 | 10-16 | -72.4 | 56 | 254 | - | |
| 5cdd-1 | do | | 58 | 320 | 16 | N | N | - | N | 5,039 | - | - | - | - | - | - | - | |
| 5ddd-1 | do | | 61 | - | 16 | T | E | 75 | I | 5,043 | - | - | - | - | - | - | - | |
| 6aad-1 | A. A. Jones | | 54 | 168 | 14 | T | E | 20 | I | 5,020 | - | - | - | - | - | 333 | 74, 121, 135 | |
| 6aca-1 | J. Mayer | | 52 | 200 | 14 | T | E | 20 | I | 5,022 | - | - | - | - | - | 365 | - | |
| 6baa-1 | do | | 53 | 200 | 14 | T | E | 20 | I | 5,013 | - | - | - | - | - | 531 | 87, 131, 181 | |
| 6cdd-1 | Mayer Bros. | | 47 | 350 | 14 | T | E | 75 | I | 5,030 | - | - | - | - | - | 1,535 | 55, 110 | |
| 6cdd-1 | do | | 49 | 235 | 14 | T | E | 25 | I | 5,031 | - | - | - | - | - | 702 | - | |
| 6ddc-2 | T. Bown | | - | 200 | 14 | T | E | 20 | I, O | 5,031 | 3-31 | -53.4 | 10-16 | -65.0 | - | 426 | 61, 138, 179 | |
| 7bda-2 | V. Lee | | 56 | 197 | 14 | T | E | 30 | I | 5,033 | - | - | - | - | - | 440 | 46 | |
| 7add-1 | R. Mayer | | 48 | 245 | 16 | T | D | - | I | 5,054 | - | - | - | - | - | 1,150 | 57, 168, 209 | |
| 8add-1 | Milford Farms | | - | - | 16 | T | E | 75 | I | 5,055 | - | - | - | - | 60 | - | - | |
| 8cdd-1 | do | | - | 218 | 16 | T | E | 60 | I | 5,060 | - | - | - | - | - | - | - | |
| 8ddd-1 | do | | - | 210 | 16 | T | E | 75 | I, O | 5,066 | 3-31 | -75.4 | - | - | - | - | - | |
| 16cdc-1 | E. Myers | | 52 | 192 | 16 | T | E | 40 | I | 5,120 | - | - | - | - | - | - | - | |
| 17add-1 | Milford Farms | | 50 | 202 | 16 | T | E | 75 | I | 5,078 | - | - | - | - | - | 1,007 | - | |
| 17cdd-1 | do | | 50 | 201 | 20 | T | E | 75 | I | 5,082 | - | - | - | - | 56 | - | - | |
| 17ddd-2 | do | | 60 | 220 | 16 | T | E | 75 | I | 5,090 | - | - | - | - | - | - | - | |
| 18add-2 | R. Mayer | | 60 | 450 | 16 | T | D | - | I | 5,065 | - | - | - | - | 56 | - | - | |
| 18dad-1 | do | | 55 | 314 | 16 | T | D | - | I | 5,067 | - | - | - | - | - | - | - | |
| 18ddd-1 | do | | 50 | 170 | 16 | T | D | - | I | 5,072 | - | - | - | - | - | - | 70, 100 | |
| (C-29-11) | | | | | | | | | | | | | | | | | | |
| 1abd-2 | W. Powell | | 56 | 230 | 12 | T | E | 7½ | I | 5,008 | - | - | - | - | - | 304 | - | |
| 1ada-2 | Mayer Bros. | | 49 | 145 | 14 | T | E | 15 | I | 5,009 | - | - | - | - | - | 418 | - | |
| 1add-2 | O. Williams | | 55 | 200 | 14 | T | E | 20 | I | 5,014 | - | - | - | - | - | 635 | - | |
| 1bad-1 | M. Price | | 50 | 140 | 14 | T | E | 20 | I | 5,004 | - | - | - | - | - | 652 | 65, 80, 109 | |
| 1cac-1 | D. Sly | | 48 | 72 | 14 | T | E | 10 | I | 5,010 | - | - | - | - | - | 457 | - | |
| 1cad-3 | do | | 53 | 225 | 16 | T | E | 10 | I | 5,012 | - | - | - | - | - | 418 | - | |
| 1ddd-1 | Green Diamond Ranch | | 50 | 210 | 16 | T | E | 75 | I | 5,023 | - | - | - | - | - | 1,223 | - | |
| 2aac-2 | J. Sherwood | | 56 | 204 | 14 | T | E | 10 | I | 5,002 | - | - | - | - | 58 | 489 | 28, 36 | |
| 2adc-1 | L. Applegate | | 55 | 200 | 12 | T | E | 10 | I | 5,004 | - | - | - | - | - | 419 | 26, 46 | |
| 2ddd-2 | do | | 56 | 200 | 14 | T | E | 20 | I | 5,009 | - | - | - | - | - | 635 | 35, 40 | |
| 4baa-1 | W. H. Child | | 26 | 68 | 16 | Cy | W | - | S, O | 5,023 | 4- 2 | -40.7 | 10-11 | -40.6 | 60 | - | 36, 62, 64 | |
| 11aad-2 | T. Rimpau | | 53 | 220 | 16 | T | E | 25 | I | 5,010 | - | - | - | - | - | 313 | - | |
| 11acd-2 | do | | 55 | 82 | 12 | T | E | 10 | I | 5,010 | - | - | - | - | - | - | - | |
| 11baa-1 | Cook Bros. | | - | 57 | 16 | T | E | 5 | I | 4,999 | - | - | - | - | - | - | - | |
| 11cad-2 | L. Applegate | | - | 96 | 14 | T | E | 10 | I | 5,010 | - | - | - | - | - | 505 | - | |
| 11cdd-1 | R. Mayer | | - | 62 | 14 | T | E | 7½ | I | 5,013 | - | - | - | - | 58 | - | - | |
| 11cdd-2 | L. Applegate | | 49 | 90 | 16 | T | E | 10 | I, O | 5,018 | 4- 2 | -31.3 | 10-11 | -34.9 | 58 | 527 | - | |
| 11ddc-1 | Cook Bros. | | 27 | 65 | 14 | T | E | - | I | 5,019 | - | - | - | - | - | 980 | - | |
| 11ddd-1 | do | | 52 | 83 | 18 | T | E | 5 | I | 5,019 | - | - | - | - | - | - | - | |
| 12add-1 | Green Diamond Ranch | | 47 | 202 | 14 | T | E | 50 | I | 5,030 | - | - | - | - | - | 820 | 108, 140, 172 | |
| 12ddc-1 | do | | - | 240 | 16 | T | E | 50 | I | 5,034 | - | - | - | - | - | 1,350 | - | |
| 12ddd-1 | do | | 50 | 431 | 16 | T | E | 75 | I | 5,036 | - | - | - | - | 58 | 1,300 | - | |
| 13add-1 | L. Cox | | 46 | 276 | 14 | T | E | 30 | I, O | 5,043 | 4- 2 | -55.9 | 10-11 | -61.6 | - | - | 80, 164, 258 | |
| 13dcc-1 | do | | - | 300 | 16 | T | D | - | I | 5,043 | - | - | - | - | 59 | 1,388 | - | |
| 13ddd-1 | do | | 47 | 248 | 16 | T | E | 30 | I | 5,053 | - | - | - | - | - | - | 158, 212 | |
| 14aad-2 | K. Williams | | 52 | 210 | 16 | T | E | 30 | I | 5,023 | - | - | - | - | - | 1,282 | 20, 46, 70 | |
| 22add-1 | Milford Farms | | 52 | 320 | 16 | T | D | 25 | I | 5,027 | - | - | - | - | - | - | 110 | |
| 23bdd-1 | L. D. Tonn | | 50 | 204 | 16 | T | D | 75 | I | 5,037 | - | - | - | - | - | 1,610 | 46, 70, 168 | |
| 23cad-1 | Milford Farms | | 52 | 218 | 14 | T | E | - | I, O | 5,039 | 4- 2 | -43.8 | - | - | - | 783 | - | |
| 27ada-1 | R. A. Hildebrand | | - | - | 14 | T | E | 20 | I | 5,039 | - | - | - | - | - | 575 | - | |
| 27add-2 | do | | 47 | 109 | 14 | T | E | 25 | I | 5,042 | - | - | - | - | - | 784 | - | |

Table 1.--Records of selected wells and springs in the Beaver, Escalante, Cedar City, and Parowan Valleys - Continued

| Well number | Owner or user | Year drilled (19) | Depth of well (feet) | Diameter of well (inches) | Method of lift | Pump | | Use of water | Altitude of land-surface datum (feet) | Water level before and after pumping season, 1962, above (+) or below (-) land-surface datum (feet) | | | | Temperature (°F) | Yield (gpm) | Depth to water-bearing aquifers (feet) | Other available data |
|---|---------------------------|--------------------|----------------------|---------------------------|----------------|---------------|---------------------------|--------------|---------------------------------------|---|-------------|-------|-------------|------------------|-------------|--|----------------------|
| | | | | | | Type of power | Horsepower of prime mover | | | Date | Water level | Date | Water level | | | | |
| | | | | | | | | | | | | | | | | | |
| Escalante Valley, Beryl-Enterprise district - Continued | | | | | | | | | | | | | | | | | |
| (C-34-16) | | | | | | | | | | | | | | | | | |
| 30ddc-2 | D. F. Shelley | - | 100 | 12 | T | E | - | I | - | - | - | - | - | - | - | - | |
| 31ccc-1 | D. Hall | 58 | 160 | 12 | T | E | 25 | I | - | - | - | - | - | 55 | 575 | - | |
| 31cdc-1 | do | 52 | 212 | 12 | T | E | 25 | I | - | - | - | - | - | - | 470 | - | |
| 31dcc-1 | J. C. McGarry | 53 | 248 | 12 | T | E | - | I | - | - | - | - | - | - | - | 90 | |
| 32bcc-1 | R. A. Gardner | - | 199 | 16 | T | E | 30 | I | - | - | - | - | - | - | 845 | - | |
| 32ccc-1 | do | 46 | 248 | 12 | T | E | 40 | I | - | - | - | - | - | - | 1,196 | 82, 198, 231 | |
| 32cdc-1 | do | 54 | 200 | 16 | T | E | 30 | I | - | - | - | - | - | - | 1,080 | - | |
| (C-34-17) | | | | | | | | | | | | | | | | | |
| 24acc-2 | H. L. Austin | 26 | 105 | 12 | C | E | - | I | - | - | - | - | - | - | 310 | 40, 62, 96 | |
| 24bcc-1 | M. Austin | 28 | 120 | 12 | T | E | - | I | 5,151 | - | - | - | - | - | 430 | 40, 62, 96 | |
| 33dcc-1 | W. MacFarlane | 47 | 224 | 14 | T | E | 25 | I | - | - | - | - | - | 57 | 595 | 92, 150, 220 | |
| 36acc-1 | J. Rall | 48 | 184 | 14 | T | E | 30 | I, O | 5,153 | 3-30 | -28.5 | - | - | - | - | 69, 133, 175 | |
| 36ddc-1 | A. Schwartz | 47 | 150 | 14 | T | E | - | I | - | - | - | - | - | - | - | - | |
| (C-34-19) | | | | | | | | | | | | | | | | | |
| 36dbc-2 | Union Pacific Railroad | - | 392 | - | N | N | - | - | - | - | - | - | - | - | - | - | L. |
| (C-35-15) | | | | | | | | | | | | | | | | | |
| 3dcc-1 | E. J. Graff | - | - | - | Cy | W | - | O | 5,139 | 3-28 | -21.5 | 10- 2 | -26.6 | - | 610 | - | H. |
| 3dcc-2 | do | 27 | 350 | 16 | T | E | 30 | I, O | 5,139 | - | - | - | - | 56 | 888 | - | C, P, Dd |
| 3ddc-1 | do | 27 | 350 | 16 | T | E | 25 | I | 5,139 | - | - | - | - | 56 | 1,300 | - | 31.0 ft. |
| 10acc-1 | do | 27 | 334 | 16 | T | E | 30 | I | 5,143 | - | - | - | - | - | 1,240 | - | C, L, Dd |
| 10acd-1 | do | 27 | 280 | 16 | T | E | 30 | I | 5,142 | - | - | - | - | - | 770 | - | 21.5 ft. |
| 10adc-1 | do | 27 | 400 | 16 | T | E | 25 | I | 5,144 | - | - | - | - | - | 593 | - | |
| 10add-1 | do | 27 | 350 | 16 | T | E | 25 | I | 5,143 | - | - | - | - | 58 | 645 | - | |
| 10bdc-2 | C. Holm | 36 | 271 | 16 | T | E | 40 | I, O | 5,142 | 3-28 | -21.6 | 10- 2 | -28.0 | - | 960 | - | |
| 10cdc-1 | F. Bekins | 58 | - | 16 | T | E | - | I | - | - | - | - | - | - | - | - | |
| 11bcc-1 | E. J. Graff | 49 | 310 | 16 | T | E | 30 | I | - | - | - | - | - | - | 850 | 62, 248, 303 | |
| 16ddd-1 | K. Jones | 48 | 255 | 16 | T | E | 30 | I, O | 5,156 | 3-28 | -34.5 | 10- 2 | -38.9 | 56 | 875 | 40 | |
| 20bcd-1 | Bureau of Land Management | - | 162 | - | N | N | - | N | 5,159 | - | - | - | - | - | - | - | L. |
| 22cdc-1 | G. Hulet | 47 | 257 | 16 | T | E | 30 | I | - | - | - | - | - | 57 | 840 | 108, 224, 244 | Dd 30.9 ft. |
| 28acc-2 | R. Reeve | - | 163 | 12 | T | E | 30 | I | - | - | - | - | - | - | - | - | |
| 28acd-1 | do | 45 | 200 | 14 | T | E | 25 | I | - | - | - | - | - | - | 747 | - | |
| 28cdc-1 | F. Bekins | 58 | - | 16 | T | D | - | I | - | - | - | - | - | - | - | - | |
| 33cdc-1 | Columbia Iron Mining Co. | 52 | 200 | 16 | T | E | 75 | I, O | 5,135 | 3-28 | -94.4 | - | - | 66 | 980 | 56, 134, 161 | |
| 33ddc-1 | do | - | 254 | 14 | T | E | 50 | I | - | - | - | - | - | - | 1,300 | - | |
| (C-35-16) | | | | | | | | | | | | | | | | | |
| 3cdc-1 | R. J. Kaltenborn | 52 | 200 | 14 | T | E | 50 | I | - | - | - | - | - | - | 1,460 | - | |
| 3dcc-2 | do | 52 | 206 | 15 | T | E | 50 | I | - | - | - | - | - | - | 1,380 | 124, 156, 189 | |
| 4dcc-1 | O. M. Sharp | 53 | 166 | 16 | T | E | 30 | I | - | - | - | - | - | - | 890 | 36, 100, 130 | |
| 6bbc-2 | W. Hunt | - | - | 14 | T | E | 20 | I, O | 5,151 | 3-30 | -31.8 | 10- 2 | -37.2 | - | 790 | - | Dd 35.9 ft. |
| 6dbc-1 | W. Holt | 55 | 220 | 16 | T | E | - | I | - | - | - | - | - | - | - | 75, 166, 216 | |
| 7abc-1 | H. G. Moyle | - | 75 | 12 | T | E | - | I | 5,155 | - | - | - | - | - | - | - | |
| 7ccc-1 | A. Barlocker | 33 | 104 | 12 | T | E | 15 | I | 5,158 | - | - | - | - | - | 507 | - | |
| 9aad-1 | L. Bowler | 55 | 150 | 16 | T | E | 40 | I | - | - | - | - | - | - | 1,125 | 103, 110, 132 | |
| 9add-1 | do | 46 | 150 | 16 | T | E | 20 | I, O | 5,150 | 3-30 | -36.8 | 10- 9 | -39.5 | 55 | 640 | - | C, P, Dd |
| 9cbc-1 | N. Laub | 51 | 126 | 12 | T | E | 20 | I | - | - | - | - | - | - | 895 | - | 16.1 ft. |
| 9dac-1 | C. Holm | - | 154 | 14 | T | E | 15 | I | - | - | - | - | - | - | 488 | - | |
| 10acb-1 | C. Anderson | 47 | 80 | 12 | T | D | - | I | 5,151 | - | - | - | - | - | 912 | - | |
| 10bda-2 | do | 36 | 117 | 14 | T | D | - | I | 5,151 | - | - | - | - | - | - | - | |
| 14ccc-1 | J. C. McGarry | 50 | 192 | 14 | T | E | 30 | I | - | - | - | - | - | - | 1,085 | - | |
| 14dcc-1 | do | - | 167 | 14 | T | E | 30 | I | - | - | - | - | - | 55 | 745 | - | |
| 14ddc-1 | do | 47 | 100 | 14 | T | E | 15 | I, O | 5,155 | 3-30 | -39.4 | 10- 9 | -40.7 | - | 525 | - | Dd 8.8 ft. |
| 15abc-1 | M. F. Dewey | - | 120 | 12 | T | E | 15 | I | - | - | - | - | - | - | 600 | - | |
| 15bba-2 | D. Burgess | 61 | 185 | 12 | T | E | 15 | I | - | - | - | - | - | - | 1,090 | - | |
| 16add-1 | N. Bracken | 49 | 116 | 14 | T | E | 15 | I | - | - | - | - | - | - | 396 | - | |
| 16bbc-1 | M. Beckstrom | 46 | 274 | 14 | T | E | 15 | I, O | 5,154 | 3-30 | -39.2 | 10- 9 | -43.2 | - | 600 | 104, 129, 151 | |
| 16bdd-1 | J. Romera | 58 | 163 | 14 | T | E | 10 | I | - | - | - | - | - | - | 712 | - | |
| 16cac-1 | G. T. Wuertz | 61 | 183 | 12 | T | E | 10 | I | - | - | - | - | - | - | 350 | - | |
| 16cdd-1 | R. Hunt | 42 | 125 | 12 | T | E | 15 | I | - | - | - | - | - | - | 622 | 19, 65 | |
| 16dda-2 | L. Wood | 61 | 214 | 12 | T | E | 15 | I | - | - | - | - | - | - | 750 | - | |
| 16ddc-1 | N. Neilsen | 47 | 152 | 14 | T | E | 25 | I | - | - | - | - | - | - | 1,025 | - | |
| 17acc-2 | R. Hunt | 61 | 179 | 20 | T | E | 15 | I | - | - | - | - | - | - | 495 | - | |
| 17add-2 | M. Beckstrom | 52 | 103 | 13 | T | E | 15 | I | - | - | - | - | - | - | 322 | - | |
| 17bad-1 | M. Vicerra | - | 120 | 12 | T | E | - | I | 5,152 | - | - | - | - | - | - | - | L. |
| 17oda-2 | D. L. Sargent | 50 | 148 | 12 | T | E | 15 | I | 5,154 | - | - | - | - | - | 965 | - | |
| 18ccb-2 | J. Bosshardt | - | 160 | 14 | T | E | 30 | I | - | - | - | - | - | - | 872 | - | |
| 18cdc-1 | do | 61 | 185 | 14 | T | D | - | I | 5,160 | - | - | - | - | - | - | - | |
| 20dad-1 | G. Butler | - | 200 | 12 | T | E | 15 | I | - | - | - | - | - | - | - | - | |
| 21acd-1 | B. Beacham | 47 | 105 | 12 | T | E | 20 | I | - | - | - | - | - | - | - | - | |
| 21bcc-1 | A. D. Moyle | 44 | 120 | 14 | T | E | - | I | - | - | - | - | - | - | 1,060 | - | |
| 21bdc-1 | do | - | 178 | 16 | T | E | 30 | I | - | - | - | - | - | - | 911 | - | |
| 21cac-1 | A. Piper | 54 | 155 | 14 | T | E | 15 | I | - | - | - | - | - | 52 | 715 | - | |

Table 1.--Records of selected wells and springs in the Beaver, Escalante, Cedar City, and Parowan Valleys - Continued

| Well number | Owner or user | Year drilled (19) | Depth of well (feet) | Diameter of well (inches) | Method of lift | Pump | | Use of water | Altitude of land-surface datum (feet) | Water level before and after pumping season, 1962, above (+) or below (-) land-surface datum (feet) | | | | Temperature (°F) | Yield (gpm) | Depth to water-bearing aquifers (feet) | Other available data |
|---|--|--------------------|----------------------|---------------------------|----------------|---------------|---------------------------|--------------|---------------------------------------|---|-------------|-------|-------------|------------------|-------------|--|----------------------|
| | | | | | | Type of power | Horsepower of prime mover | | | Date | Water level | Date | Water level | | | | |
| | | | | | | | | | | | | | | | | | |
| Escalante Valley, Beryl-Enterprise district - Continued | | | | | | | | | | | | | | | | | |
| (C-36-16) | | | | | | | | | | | | | | | | | |
| 5a-1 | W. T. Hunt | - | 112 | 12 | T | E | 25 | I | 5,190 | - | - | - | - | - | 622 | - | C. |
| 5a-8 | G. Crawford | - | 180 | 12 | T | E | 30 | I | - | - | - | - | - | - | 730 | - | |
| 5a-9 | E. Gardner | - | 200 | 12 | T | E | 20 | I | - | - | - | - | 57 | - | 720 | - | |
| 5a-12 | G. Crawford | - | 194 | 16 | T | E | 20 | I | - | - | - | - | 57 | - | 950 | - | |
| 5b-2 | H. Sevy | - | 156 | 12 | T | E | 20 | I | - | - | - | - | - | - | 480 | - | |
| 5b-3 | do | - | - | 16 | T | E | 30 | I | - | - | - | - | - | - | 585 | - | |
| 5b-4 | C. Clark | 59 | 353 | 16 | T | E | - | I,O | 5,196 | 3-27 | -81.6 | 10- 4 | -85.9 | - | 1,710 | - | |
| 5c-1 | L. Gardner | 60 | 276 | 12 | T | E | 20 | I | - | - | - | - | - | - | 840 | - | |
| 6a-1 | Escalante Farms | - | 290 | 16 | T | E | 40 | I | - | - | - | - | - | - | 1,350 | - | |
| 6b-2 | do | - | 288 | 16 | T | E | 75 | I | 5,201 | - | - | - | - | - | 700 | - | |
| 6c-2 | do | - | 270 | 16 | T | E | 100 | I | - | - | - | - | - | 58 | 1,640 | - | C. |
| 6c-3 | do | - | 200 | 16 | T | E | 100 | I,O | 5,211 | 3-30 | -92.7 | 10- 4 | -98.3 | 58 | 1,960 | - | |
| 9acd-1 | L. Cox | 46 | 214 | 14 | T | E | - | I | - | - | - | - | - | - | 1,090 | 80, 148, 204 | |
| 9bcd-1 | W. Scott | 44 | 272 | 14 | T | E | 30 | I,O | 5,196 | 3-28 | -77.3 | 10- 4 | -83.6 | 55 | 1,010 | - | |
| 9ccc-1 | H. Randall | 61 | 250 | 16 | T | E | - | I | - | - | - | - | - | - | - | - | |
| 9dcc-1 | do | 59 | 299 | 16 | T | E | - | I | - | - | - | - | - | - | - | 215, 229, 281 | |
| 10bbd-1 | Gentry Bros. | 45 | 290 | 14 | T | E | 25 | I | - | - | - | - | - | - | 650 | - | |
| 10bcd-1 | do | 47 | 340 | 14 | T | E | 25 | I | - | - | - | - | - | 56 | 640 | - | |
| 11caa-1 | V. Pickerell | 52 | 210 | 16 | T | D | - | I | 5,191 | - | - | - | - | - | 885 | 113, 123, 162 | |
| 11dd-1 | do | 52 | 206 | 16 | T | D | - | I | - | - | - | - | - | 57 | 940 | - | |
| 12bdd-1 | do | 53 | 188 | 16 | T | D | - | I | - | - | - | - | - | - | 905 | - | |
| 13ddc-1 | Christensen Bros. | 50 | 207 | 16 | T | E | 30 | I | - | - | - | - | - | - | 570 | - | |
| 16bcc-1 | M. and L. Gardner | 59 | 300 | 16 | T | E | - | I | - | - | - | - | - | - | - | - | |
| 16ccc-1 | do | 59 | 347 | 16 | T | E | - | I | - | - | - | - | - | - | - | 236, 326, 346 | |
| 17acc-1 | Enterprise Farms | - | 404 | 16 | T | E | 75 | I | - | - | - | - | - | - | 1,190 | - | |
| 19abb-1 | Jones Bros. | 45 | 352 | 16 | T | E | 40 | I,O | 5,226 | 3-28 | -108.0 | 10- 4 | -113.7 | - | 1,350 | - | P, Dd 35.2 ft. |
| 20abb-1 | Enterprise Farms | 48 | 400 | 16 | T | E | 100 | I,O | 5,215 | 3-28 | -99.9 | - | - | 57 | 1,800 | 120 | |
| 20dbb-1 | do | - | 400 | 16 | T | E | 75 | I | - | - | - | - | - | - | 1,090 | - | |
| 21abc-1 | Jones Bros. | - | 351 | 16 | T | E | 40 | I | - | - | - | - | - | - | 805 | - | |
| 21cdd-1 | A. Barlocker | 61 | 347 | 14 | T | E | 30 | I | - | - | - | - | - | - | 855 | - | |
| 29bab-1 | Enterprise Farms | - | 401 | 16 | T | E | 75 | I | - | - | - | - | - | - | 958 | - | L, H. |
| 29daa-1 | do | - | 380 | 16 | T | E | 75 | I,O | 5,233 | 3-28 | -116.1 | 10- 4 | -121.5 | - | 820 | - | |
| 30aab-1 | do | 47 | 402 | 16 | T | E | 75 | I | - | - | - | - | - | 55 | 1,520 | 95 | |
| 30bab-1 | do | 47 | 401 | 16 | T | E | 100 | I | - | - | - | - | - | - | 1,455 | - | |
| 30cba-1 | do | - | 381 | 16 | T | E | 100 | I | - | - | - | - | - | - | 1,460 | - | |
| 30ccc-1 | S. Bracken | 48 | 400 | 14 | T | E | 30 | I | - | - | - | - | - | - | 340 | 370 | |
| 30dba-1 | Enterprise Farms | - | 389 | 16 | T | E | 75 | I | - | - | - | - | - | - | 1,300 | - | |
| 31aba-1 | do | - | 349 | 16 | T | E | 75 | I | - | - | - | - | - | - | 1,220 | - | |
| 31aca-1 | do | 49 | 407 | 16 | T | E | 100 | I | - | - | - | - | - | - | 1,710 | - | |
| 31add-1 | do | 45 | 381 | 16 | T | E | 100 | I | - | - | - | - | - | - | 1,465 | - | |
| 31bab-1 | do | - | 419 | 16 | T | E | 100 | I | - | - | - | - | - | - | 1,150 | - | |
| 31bdd-1 | do | - | - | 16 | T | E | 100 | I,O | 5,256 | 3-28 | -137.0 | - | - | - | 1,510 | - | |
| 31ccc-1 | L. Huntsman | 46 | 222 | 14 | T | E | 25 | I,O | 5,271 | 3-30 | -146.1 | 10- 4 | -154.4 | 51 | 405 | - | |
| 32aaa-1 | Enterprise Farms | 47 | 401 | 16 | T | E | - | I | - | - | - | - | - | - | - | 105 | |
| 32add-1 | do | - | 401 | 16 | T | E | - | I | - | - | - | - | - | - | - | - | |
| 33bdd-1 | E. Hunt | - | - | 14 | T | D | - | I | - | - | - | - | - | - | 923 | - | |
| (C-36-17) | | | | | | | | | | | | | | | | | |
| 2d | Escalante Mining Co. | - | 195 | - | N | N | - | N | 5,283 | - | - | - | - | 64 | - | - | C, mine shaft. |
| 2d-1 | do | - | - | 6 | N | N | - | O | 5,243 | 3-30 | -124.0 | 10- 4 | -129.4 | - | - | - | C. |
| 2d-2 | do | 59 | 600 | 16 | N | N | - | N | 5,242 | - | - | - | - | 63 | - | - | |
| 25dcc-1 | Enterprise Stake, Latter-Day Saints Church | - | 247 | 16 | T | E | - | I | - | - | - | - | - | - | 540 | - | |
| 36add-1 | N. Bracken | 45 | 202 | 14 | T | E | 50 | I,O | 5,265 | 3-30 | -142.7 | 10- 4 | -147.7 | 50 | 755 | - | 130, 370 |
| 36ddb-1 | A. Holt | 45 | 382 | 14 | T | E | - | I | - | - | - | - | - | - | - | - | |
| (C-37-16) | | | | | | | | | | | | | | | | | |
| 6cac-1 | Truman, Jones, and Hunt | 48 | 304 | 16 | T | E | 40 | I | - | - | - | - | - | - | 770 | 130 | P, Dd 28.1 ft. |
| 6ccc-1 | Adams Bros. | 45 | 200 | 14 | T | E | 25 | I,O | 5,285 | 3-30 | -114.3 | 10- 4 | -120.2 | 50 | 420 | 82 | |
| (C-37-17) | | | | | | | | | | | | | | | | | |
| 1ccd-1 | H. Truman | 49 | 483 | 16 | T | E | 30 | I,O | 5,290 | 3-30 | -84.7 | 10- 4 | -89.9 | 53 | 290 | 83, 112, 400 | |
| 1dcc-1 | do | - | 250 | 14 | T | E | 25 | I,O | 5,290 | - | - | 10- 4 | -102.6 | - | 480 | - | |
| 1ddc-1 | L. Holt | 45 | 205 | 14 | T | E | 20 | I | - | - | - | - | - | - | 200 | - | |
| 11dac-1 | A. E. Pickering | 45 | 86 | 16 | T | E | 10 | I | - | - | - | - | - | - | 320 | 26 | |
| 11dbb-1 | A. P. Windsor | - | 223 | 12 | T | E | 30 | I | - | - | - | - | - | - | 140 | - | |
| 12acc-1 | I. Barlow | - | 320 | 16 | T | E | 25 | I | - | - | - | - | - | - | 472 | - | C, H. |
| 12bdc-1 | C. Sides | - | 170 | 14 | T | E | 20 | I,O | 5,300 | 3-30 | -34.3 | 10- 4 | -38.8 | 55 | 460 | - | |
| 12cbd-1 | do | 45 | 150 | 14 | T | E | 15 | I | - | - | - | - | - | - | 290 | 30, 80 | |
| 14bac-1 | Bushar, Holt and Simkins | - | 100 | 14 | T | E | 20 | I,O | - | 3-30 | -25.9 | 10- 4 | -31.7 | 55 | 552 | - | |
| 15bab-3 | N. Thomas | - | 125 | 10 | T | E | 15 | I | - | - | - | - | - | - | - | - | |

Table 1.--Records of selected wells and springs in the Beaver, Escalante, Cedar City, and Parowan Valleys - Continued

| Well number | Owner or user | Year drilled (19) | Depth of well (feet) | Diameter of well (inches) | Method of lift | Pump | | Use of water | Altitude of land-surface datum (feet) | Water level before and after pumping season, 1962, above (+) or below (-) land-surface datum (feet) | | | | Temperature (°F) | Yield (gpm) | Depth to water-bearing aquifers (feet) | Other available data |
|---|---|----------------------------|---------------------------------|----------------------------|-----------------------|-----------------------|----------------------------|---------------------------|---|---|-----------------------------------|-------------------------------|-------------------------------|--------------------------------------|------------------------------------|--|----------------------|
| | | | | | | Type of power | Horsepower of prime mover | | | Date | Water level | Date | Water level | | | | |
| | | | | | | | | | | | | | | | | | |
| Cedar City Valley | | | | | | | | | | | | | | | | | |
| (C-33-10) 29adc-1 | Bureau of Land Management | - | - | - | Cy | W | - | S | 6,020 | - | - | - | - | 58 | - | - | C. |
| (C-33-11) 15bbb-1 30ddd-1 | do S. Wright | - 36 | 910 250 | - 12 | - - | - - | - - | N O | 5,616 5,352 | - 3-22 | - -36.6 | - 10-10 | - -37.4 | - - | - - | 50 | L. L. |
| (C-33-12) 11aaa-1 | Bureau of Land Management | - | - | - | Cy | W | - | S,O | 5,283 | 5- 9 | -36.0 | - | - | 57 | - | - | C. |
| (C-34-10) 30ddc-1 31caa-1 | I. Jones do | - 51 | - 365 | 14 14 | T T | E E | 25 25 | I I,O | 5,531 5,490 | - 3-20 | - -26.3 | - - | - - | - 59 | 200 450 | - - | - |
| (C-34-11) 9cdc-1 13bbc-1 36acc-1 36cdd-1 36cdd-2 | D. C. Evans H. Kunz D. Clark do do | - 42 - 52 - | - 121 - 148 128 | 3 16 14 16 16 | - T T T T | - D E E E | - - 15 30 20 | O I I I I,O | 5,402 5,395 5,452 5,458 5,460 | 3-27 - - - 3-22 | -22.2 - - - -12.4 | 10-10 - - - - | -23.0 - - - - | - 56 - - 67 | - 890 350 510 450 | - 28, 100, 114 - - - | H. - - C. |
| (C-35-10) 7cad-1 7cdd-1 18bbc-1 18cba-1 | W. W. Jones P. Webster S. A. Smith P. Webster | 36 36 - - | 101 70 - - | 8 8 12 12 | T T T N | E E E N | - 7½ 15 - | I I I O | 5,620 5,644 5,536 5,559 | - - - 3-27 | - - - -71.1 | - - - 10-10 | - - - -100.5 | - - 57 - | 194 - - - | - - - - | - H. |
| (C-35-11) 8ddd-2 9abd-1 9ccc-1 10cdd-1 12ddd-1 | J. Sherratt - H. B. Heaton J. Pace West Enoch Irrigation Co. | 53 - - 36 35 | 260 - 300 499 250 | 16 - 16 6 12½ | T - T T T | E - E E E | 20 - 10 7½ 15 | I N I I,O I | 5,491 5,479 5,491 5,493 5,526 | - - - 3-20 - | - - - -20.8 - | - - - - - | - - - - 58 | 311 - 180 200 328 | - - - 293, 337, 434 - | - L. | |
| 12ddd-2 13ada-1 13cac-3 13dda-1 13ddb-2 | C. S. Smith West Enoch Irrigation Co. N. Bulloch East Union Irrigation Co. do | 43 48 - 45 60 | 238 279 - 206 263 | 12 12 8 14 12½ | T T T T T | E E E E E | 10 15 5 30 40 | I I I I I | 5,526 5,536 5,514 5,549 5,542 | - - - - - | - - - - - | - - - - 57 | - 324 518 419 783 | - 58, 148 - - | - C. | | |
| 13ddb-3 14aac-1 14bac-1 14ddd-3 16acd-1 | do Grimshaw Bros. H. Nelson D. Murie D. and F. Bauer | - 30 - 32 34 | 166 334 339 158 268 | 14 16 - 8 12 | T T - T T | E E N E E | 40 15 - 5 15 | I I N I I | 5,546 5,495 5,499 5,532 5,502 | - - - - - | - - - - - | - - - - 56 | 472 243 - - 425 | - - - - | 120, 237, 256 | - L. | |
| 17dcd-1 21cbd-1 21ccd-1 21dbd-1 21dbd-2 | C. Bauer J. Brown G. Perry D. and F. Bauer do | - - - - - | 200 176 172 228 232 | 16 14 14 N 12 | T T T N T | E E E N E | 7½ 15 10 O 15 | I,O I I O I,O | 5,507 5,533 5,540 5,533 5,534 | 3-20 - - 3-27 3-20 | -32.2 - - -47.2 -48.7 | - - - 10-29 10-10 | - - - -49.8 -60.9 | 56 - - 53 | 125 - - 410 | - - - L, H. Dd 20.6 ft. | |
| 21dcc-2 27aac-1 27aca-1 27acd-1 27bab-2 | J. Brown F. Gardner Walker Well Bauer Well G. Hunter | 61 30 34 34 59 | 252 114 108 114 204 | 12 12 12 12 14 | T T T T T | E E E E E | 15 15 15 20 20 | I I,O I I I | 5,540 5,556 5,549 5,555 5,541 | - 3-20 - - - | - -66.3 - - - | - 10-10 - - - | - -73.2 - - - | - 575 335 418 616 643 | - - - 34 103, 133, 157 | - Dd 15.3 ft. | |
| 27bbc-1 27bdb-1 27cdc-1 27cdd-1 27dbb-1 | Munford Well G. Hunter L. F. Luke Bulldog Well Halterman and Luke | 34 - 61 34 57 | 117 156 240 147 228 | 13 14 16 12 14 | T T T T T | E E E E E | 15 15 25 20 20 | I,O I I I I | 5,547 5,550 5,572 5,574 5,559 | 3-20 - - - - | -61.6 - - - - | 10-25 - - - - | -67.8 - - - - | 335 490 675 549 598 | 42, 66 - - - | Dd 7.1 ft. | |
| 28aac-1 28dab-1 29adc-1 29add-1 29dbd-1 | Perry Bros. R. Melling H. L. Jones K. L. Jones A. Williams | 36 35 62 - 22 | 93 162 432 110 91 | 12 12 14 12 12 | T T T T T | E E E E E | 10 10 30 25 15 | I I I I I | 5,549 5,556 5,545 5,547 5,550 | - - - - - | - - - - - | - - - - - | - - - - - | 193 - 800 702 400 | 55, 75 140 - - | - | |
| 31acd-1 31acd-2 32abd-2 32aca-1 32acd-2 | K. Jensen do J. Bryant G. Sherratt Gower Well | 30 51 45 36 - | 248 472 256 223 168 | 12 14 14 12 14 | N T T T T | N E E E E | - 15 15 20 20 | O I I I I | 5,536 5,536 5,553 5,553 5,557 | 3-20 - - - - | -46.7 - - - - | 10-10 - - - - | -62.1 - - - 52 | - 625 653 598 590 | - - | L. | |
| 32add-1 32bda-1 32ccd-2 32daa-1 33aac-1 | E. Corry J. H. Beal Corry and Palmer T. Higbee Cottonwood Well | 40 50 61 45 30 | 200 - 253 258 138 | 16 14 16 16 16 | T T T T T | E E E E E | 20 25 20 20 30 | I I I I I,O | 5,563 5,550 5,552 5,563 5,579 | - - 3-29 - 3-20 | - - -62.4 - -89.8 | - - - - 10-25 | - - - - -98.5 | - 563 650 - 612 53 | 59 60 135, 162, 202 - | - C, H, P, D 14.4 ft. | |
| 33abd-1 33bac-1 33dbc-2 | Cedar Stake, Latter-Day Saints Church R. K. Perry L. Wood | 56 - - | 217 239 140 | 14 14 14 | T T T | E E E | 20 25 30 | I I I | 5,579 5,568 5,583 | - - - | - - - | - - - | - - - | 378 650 783 | 85 - | - | |

Table 1.--Records of selected wells and springs in the Beaver, Escalante, Cedar City, and Parowan Valleys - Continued

| Well number | Owner or user | Year drilled (19) | Depth of well (feet) | Diameter of well (inches) | Method of lift | Pump | | Use of water | Altitude of land-surface datum (feet) | Water level before and after pumping season, 1962, above (+) or below (-) land-surface datum (feet) | | | | Temperature (°F) | Yield (gpm) | Depth to water-bearing aquifers (feet) | Other available data |
|-------------------------------|-----------------------------|--------------------|----------------------|---------------------------|----------------|---------------|---------------------------|--------------|---------------------------------------|---|-------------|-------|-------------|------------------|-------------|--|-------------------------|
| | | | | | | Type of power | Horsepower of prime mover | | | Date | Water level | Date | Water level | | | | |
| | | | | | | | | | | | | | | | | | |
| Cedar City Valley - Continued | | | | | | | | | | | | | | | | | |
| (C-35-12) | | | | | | | | | | | | | | | | | |
| 18ddd-1 | Union Pacific Railroad | 24 | 282 | 14 | N | N | - | O | 5,385 | 3-28 | -13.2 | 10- 2 | -15.3 | - | - | 22 | L. |
| 34cdc-1 | S. and L. Stucki | - | 108 | 12 | N | N | - | N | 5,485 | - | - | - | - | 54 | - | - | C, L. |
| 34cdc-2 | do | 59 | 125 | 14 | T | E | 15 | I, O | 5,481 | 3-20 | -22.5 | 10- 2 | -25.5 | - | 600 | - | - |
| 36daa-1 | Foster Bros. | 37 | 400 | 12 | T | E | 7½ | I, O | 5,520 | - | - | - | - | - | 350 | - | - |
| (C-36-11) | | | | | | | | | | | | | | | | | |
| 5abd-1 | F. Perry | 53 | 166 | 14 | T | E | 20 | I | 5,566 | - | - | - | - | - | - | - | - |
| 5baa-1 | do | 37 | 132 | 12 | T | E | 15 | I | 5,558 | - | - | - | - | - | - | - | - |
| 5bdd-1 | S. Ashdown | 35 | 144 | 12 | T | E | 15 | I | 5,557 | - | - | - | - | 52 | 450 | 75 | - |
| 5cab-1 | K. Smith | 34 | 230 | 13 | T | E | 20 | I | 5,550 | - | - | - | - | - | 675 | - | - |
| 5cac-1 | do | 44 | 220 | 14 | T | E | 20 | I | 5,549 | - | - | - | - | - | 675 | - | - |
| 5ded-1 | L. Bulloch | - | 150 | 14 | T | E | 15 | I | 5,561 | - | - | - | - | - | 675 | - | - |
| 8bba-1 | S. and L. Stucki | 39 | 158 | 12 | T | E | 15 | I | 5,563 | - | - | - | - | - | 630 | 50, 118, 149 | - |
| 8bda-1 | J. Williams | 56 | 190 | 14 | T | D | - | I | 5,543 | - | - | - | - | - | 800 | 28 | - |
| 8cab-1 | Higbee, Jones, and Smith | 34 | 200 | 12½ | T | E | 15 | I | 5,545 | - | - | - | - | - | 175 | - | - |
| 8cba-1 | R. Leigh | 61 | - | 14 | T | E | 25 | I | 5,544 | - | - | - | - | - | 755 | - | - |
| 8cbb-2 | L. Jones | - | 450 | 14 | T | E | 25 | I | 5,538 | - | - | - | - | 44 | 585 | - | - |
| 18ada-1 | College of Southern Utah | 29 | 230 | 12 | T | E | 5 | I, O | 5,531 | 3-20 | -58.3 | - | - | 57 | 275 | - | C. |
| 18bdc-1 | do | 58 | 457 | 14 | T | E | 40 | I | 5,510 | - | - | - | - | 56 | 675 | - | C. |
| 31bca-1 | K. Middleton | - | - | 16 | T | E | 60 | I | 5,620 | - | - | - | - | - | 725 | - | - |
| (C-36-12) | | | | | | | | | | | | | | | | | |
| 1aaa-3 | W. Wood | 46 | 274 | 14 | T | E | 15 | I | 5,517 | - | - | - | - | - | 652 | - | - |
| 12dba-1 | College of Southern Utah | 25 | 600 | 12 | T | E | - | I, O | 5,511 | 3-20 | -32.0 | 10-25 | -42.6 | 56 | 450 | - | C, L. |
| 20acc-1 | L. Jones | - | - | 16 | T | D | - | I | 5,480 | - | - | - | - | 59 | 563 | - | C. |
| 20ddc-1 | do | - | - | 2 | N | N | - | O | 5,476 | 3-20 | -10.5 | 10-10 | -13.7 | - | - | - | H. |
| 25bdd-1 | J. Thorley | 56 | 300 | 14 | T | E | 50 | I, O | 5,545 | 3-20 | -74.4 | - | - | - | 1,200 | 96 | - |
| 32dbb-1 | A. Spillsbury | - | - | 16 | T | D | - | I | 5,463 | - | - | - | - | 58 | 180 | - | - |
| 32dcb-1 | do | - | - | 16 | T | E | 40 | I | 5,463 | - | - | - | - | 55 | 680 | - | - |
| 33dbc-1 | do | - | - | 2 | - | - | - | N | - | - | - | - | - | 53 | - | - | C. |
| 36daa-1 | R. and K. Middleton | - | 308 | - | N | N | - | N | 5,605 | - | - | - | - | - | - | - | L. |
| (C-37-12) | | | | | | | | | | | | | | | | | |
| 5abc-1 | M. Vandenburghe | - | - | 14 | T | D | - | I | 5,539 | - | - | - | - | - | 1,151 | - | - |
| 9acc-1 | J. Watson | 59 | 186 | 14 | T | E | 40 | I | 5,478 | - | - | - | - | - | 1,000 | - | - |
| 11aab-1 | G. Vandenburghe | 53 | 365 | 14 | T | E | 50 | I, O | 5,490 | 3-20 | -33.1 | 10-10 | -40.0 | 70 | 25 | 55, 100, 113 | C. |
| 11add-1 | A. L. Graff | - | - | 14 | T | D | - | I | 5,522 | - | - | - | - | - | 925 | - | - |
| 14abc-1 | do | 50 | 264 | 14 | T | E | 20 | I, O | 5,488 | 4-19 | -25.0 | - | - | 64 | 600 | - | - |
| 14cdb-1 | do | - | - | 14 | T | E | 25 | I | 5,492 | - | - | - | - | - | 250 | - | - |
| 14dbd-1 | do | - | - | 14 | T | E | - | I | 5,498 | - | - | - | - | - | - | - | - |
| 23aca-1 | J. S. Prestwich | - | 276 | 16 | T | E | 30 | I | 5,525 | - | - | - | - | - | - | - | L. |
| 23acb-1 | do | 40 | 300 | 16 | T | E | 40 | I | 5,511 | - | - | - | - | 57 | - | 96 | C. |
| 23bbd-1 | do | - | - | 6 | Cy | W | - | N | 5,495 | - | - | - | - | 54 | - | - | C. |
| 27dad-1 | L. Heywood | 53 | 216 | 14 | T | D | - | I | 5,510 | - | - | - | - | - | - | - | - |
| 34aba-1 | J. S. Prestwich | - | - | 14 | T | E | 30 | I | 5,525 | - | - | - | - | - | 1,050 | - | - |
| 34abb-1 | Kanarraville Irrigation Co. | 34 | 190 | 12 | T | E | 20 | I, O | 5,507 | 3-20 | -54.3 | 10-17 | -58.0 | 53 | 664 | 64, 96, 136 | C, H, L, P, Dd 22.0 ft. |
| (C-38-12) | | | | | | | | | | | | | | | | | |
| 19aaa-1 | E. J. Graff | 48 | 212 | 14 | T | E | 40 | I | - | - | - | - | - | 56 | - | - | C. |
| 19aca-1 | do | 46 | 220 | 14 | T | E | - | I | - | - | - | - | - | - | - | - | - |
| Parowan Valley | | | | | | | | | | | | | | | | | |
| (C-32-8) | | | | | | | | | | | | | | | | | |
| 1ada-1 | O. C. Snow | - | - | 6 | Cy | W | - | S, O | 5,747 | 4- 4 | -50.0 | 10-16 | -50.8 | - | - | - | H. |
| 13bca-2 | W. Limb | 44 | 160 | 12 | T | D | - | I, O | 5,788 | 4- 4 | -5.3 | - | - | - | - | 52, 81, 146 | - |
| 14adc-1 | do | - | - | 14 | T | D | - | N | - | - | - | - | - | 60 | - | - | - |
| 22bbb-1 | E. J. Graff | 51 | 324 | 14 | T | D | - | N | - | - | - | - | - | 58 | - | 178, 250, 296 | C. |
| 26cda-2 | W. Limb | 61 | 200 | 14 | T | D | - | I | - | - | - | - | - | - | - | - | L. |
| 35bcb-1 | S. Tucker | 36 | 250 | 3 | F | - | - | S, O | 5,768 | 4- 4 | +6.4 | 10-16 | +6.1 | 51 | - | 60 | C. |
| (C-33-8) | | | | | | | | | | | | | | | | | |
| 11bac-1 | Beaver Livestock Co. | 45 | 310 | 16 | T | D | - | I | - | - | - | - | - | - | - | 84, 170, 264 | - |
| 19ddd-6 | H. Martin | 50 | 204 | 14 | F | - | - | I | 5,734 | - | - | - | - | - | - | 33, 102, 190 | - |
| 20bcc-1 | S. Bringhurst | - | - | - | F, T | D | - | I | - | - | - | - | - | - | - | - | - |
| 21dcc-1 | T. Abbott | 50 | 300 | 12 | T | D | - | I | - | - | - | - | - | 52 | - | 188, 233, 296 | C. |
| 21ddd-1 | S. Barton | 51 | 250 | 12 | T | D | - | I | - | - | - | - | - | - | 850 | 114, 140 | - |
| 28cda-1 | F. Williamson | 51 | 288 | 14 | T | D | - | I, O | - | 4- 4 | -76.5 | - | - | 56 | 770 | 123, 220, 262 | - |
| 31bcc-1 | H. M. Adams | 51 | 302 | 12 | T | E | 20 | I | - | - | - | - | - | - | 508 | - | - |
| 31ccc-2 | C. Burton | - | - | 14 | T | E | 25 | I | - | - | - | - | - | 48 | 698 | - | C. |
| (C-33-9) | | | | | | | | | | | | | | | | | |
| 14adc-3 | W. Eyre | 55 | 311 | 12 | T | D | - | I | 5,711 | - | - | - | - | 58 | - | 233, 262, 284 | - |
| 24aba-1 | H. Adams | 16 | 270 | 2 | F | N | - | S, O | 5,720 | 4- 4 | +1.6 | 10-15 | -6.9 | 50 | - | - | C. |
| 25cdd-4 | A. H. Orton | - | - | 12 | T | E | 7½ | I | - | - | - | - | - | - | - | - | - |
| 25dcc-3 | S. Bringhurst | - | - | 14 | T | E | 10 | I, O | 5,747 | 4- 4 | -14.6 | - | - | - | 417 | - | - |
| 26cac-8 | W. M. Eyre | 47 | 292 | 12 | T | E | 10 | I | 5,724 | - | - | - | - | - | 200 | - | - |

Table 2.--Pumping levels and discharges of selected irrigation wells in the Escalante, Cedar City, and Parowan Valleys

| Date | Pumping level/ (feet) | Discharge (gpm) | Date | Pumping level (feet) | Discharge (gpm) | Date | Pumping level (feet) | Discharge (gpm) | Date | Pumping level (feet) | Discharge (gpm) | Date | Pumping level (feet) | Discharge (gpm) | | | | | | | | | | |
|---|--------------------------|--------------------|---------------------------------|-------------------------|---------------------------------|---------------------------------|-------------------------|---------------------|----------------------------------|--------------------------------|---------------------|---------------------------------|-------------------------|--------------------|---------------------------------|-------|-------------------|---------|------|---------------------------------|--|--|--|--|
| Escalante Valley, Milford district | | | | | | | | | | | | | | | | | | | | | | | | |
| (C-28-10)17cdd-1 7½ hp motor | | | (C-28-10)30cdc-2 7½ hp motor | | | (C-29-10)5cdd-3 20 hp motor | | | (C-29-11)27dad-1 40 hp motor | | | | | | | | | | | | | | | |
| 5- 4-53 | 24.8 | 570 | 5- 7-53 | 34.9 | 445 | 5- 8-53 | 48.0 | 770 | 6-11-53 | 55.3 | 1,250 | | | | | | | | | | | | | |
| 7-14-53 | 28.5 | 505 | 6-16-53 | 37.0 | 330 | 7-17-53 | 63.7 | 515 | 7-22-53 | 55.9 | 1,230 | | | | | | | | | | | | | |
| 8-20-53 | 29.9 | 485 | 7-15-53 | 37.5 | 225 | 9- 2-53 | 62.1 | 560 | 9- 2-53 | 57.0 | 1,215 | | | | | | | | | | | | | |
| 5-17-54 | 30.8 | 475 | 8-31-53 | 37.0 | 270 | 5-24-54 | 58.5 | 535 | 7-28-54 | 57.3 | 1,210 | | | | | | | | | | | | | |
| 7-19-54 | 31.5 | 447 | 9-15-54 | 52.0 | 368 ^{2/} | 5-26-55 | 69.0 | - | 9-16-54 | 57.4 | 1,210 | | | | | | | | | | | | | |
| 9-22-54 | 32.2 | 441 | 7- 7-55 | - | 320 | 8- 4-55 | 73.0 | 530 | 6- 8-56 | 67.0 | 1,400 ^{2/} | | | | | | | | | | | | | |
| 6-25-57 | 34.7 | 425 | 9- 2-55 | 56.6 | - | 5- 8-56 | 71.0 | 572 | 7-12-56 | 67.3 | 1,390 | | | | | | | | | | | | | |
| 7-30-57 | 36.9 | 350 | 5- 8-56 | 53.8 | 314 | 7-11-56 | 75.1 | 557 | 9- 6-56 | 69.5 | 1,410 | | | | | | | | | | | | | |
| 5-27-58 | 33.7 | 433 | 7-11-56 | 60.5 | 303 | 9- 6-56 | 74.7 | 453 | 5- 3-57 | 66.7 | 1,377 | | | | | | | | | | | | | |
| 7-24-58 | 36.4 | 416 | 9- 6-56 | 64.3 | 257 | 6-28-57 | 73.0 | 515 | 6-27-57 | 70.0 | 1,345 | | | | | | | | | | | | | |
| 8-27-58 | 38.1 | 402 | 7-31-57 | 55.0 | 283 | 9- 3-57 | 78.2 | 397 | 9- 3-57 | 72.6 | 1,300 | | | | | | | | | | | | | |
| 9-17-58 | 37.6 | 411 | 9- 2-57 | 64.4 | - | 5-20-58 | 68.8 | 556 | 5-20-58 | 65.2 | 1,205 | | | | | | | | | | | | | |
| 6-11-59 | 36.5 | 416 | 5-27-58 | 54.3 | 330 | 7-24-58 | 74.6 | - | 6-24-58 | 67.0 | 1,180 | | | | | | | | | | | | | |
| 9- 3-59 | 37.9 | 398 | 7-24-58 | 61.2 | 262 | 8-13-58 | - | 492 | 5- 2-59 | 63.4 | - | | | | | | | | | | | | | |
| 5- 5-60 | 33.3 | 435 | 9-17-58 | 59.4 | 296 | 5- 2-59 | 63.9 | 569 | 7- 6-59 | 66.0 | 1,100 | | | | | | | | | | | | | |
| 7- 8-60 | 39.8 | 402 | 5- 2-59 | 51.5 | - | 8- 6-59 | 75.0 | 418 | 9- 3-59 | 72.8 | 1,075 | | | | | | | | | | | | | |
| 9- 6-60 | 43.5 | 373 | 7- 6-59 | 59.6 | 254 | 5- 5-60 | 66.6 | 500 | 5- 5-60 | 64.4 | 1,110 | | | | | | | | | | | | | |
| 5-25-61 | 36.9 | 398 | 3- 3-59 | 62.0 | 230 | 7- 8-60 | 77.5 | 364 | 8- 8-60 | 67.2 | 1,115 | | | | | | | | | | | | | |
| 8-11-61 | 42.2 | 375 | 5- 5-60 | 52.4 | 319 | 9- 6-60 | 77.7 | 340 | 8-10-61 | 76.9 | 1,095 | | | | | | | | | | | | | |
| 9-25-62 | 44.5 | - | 7- 8-60 | 61.5 | 227 | 8-11-61 | 87.7 | 530 ^{2/} | 5-18-62 | 65.9 | 917 | | | | | | | | | | | | | |
| | | | 9- 6-60 | 63.2 | 197 | 5-18-62 | 85.7 | 470 | 9- 6-62 | 67.1 | 875 | | | | | | | | | | | | | |
| | | | 5-25-61 | 55.9 | 150 | 9- 6-62 | 92.9 | 252 | | | | | | | | | | | | | | | | |
| | | | 9- 6-61 | 87.2 | 202 ^{3/} | | | | | | | | | | | | | | | | | | | |
| | | | 9- 6-62 | 89.1 | 190 | | | | | | | | | | | | | | | | | | | |
| Escalante Valley, Beryl-Enterprise district | | | | | | | | | | | | | | | | | | | | | | | | |
| (C-35-15)3dccc-2 25 hp motor | | | (C-35-16)9add-1 20 hp motor | | | (C-35-16)31abc-1 30 hp motor | | | (C-36-16)20abb-1 100 hp motor | | | (C-37-16)6cccc-1 25 hp motor | | | (C-37-17)14bac-1 20 hp motor | | | | | | | | | |
| 7-10-53 | 43.3 | 1,220 | 7- 8-53 | 33.5 | 710 | 6-22-53 | 58.7 | - | 7- 7-53 | 102.0 | 2,120 | 6-22-53 | 114.0 | - | 7- 9-53 | 78.0 | 710 | | | | | | | |
| 5-13-54 | 47.2 | 1,100 | 8-21-53 | 35.8 | 660 | 8-17-53 | 60.4 | 1,240 | 8-17-53 | 104.0 | 2,640 | 7- 1-53 | 116.2 | 520 | 8-14-53 | 78.4 | 630 | | | | | | | |
| 7-22-54 | - | 972 | 5- 6-54 | 36.4 | 673 | 5-11-54 | 57.5 | 1,310 | 5-11-54 | 104.3 | 2,260 | 8-14-53 | 125.2 | 575 | 7-15-54 | 70.2 | 585 | | | | | | | |
| 6-14-56 | 43.0 | 836 | 8-30-54 | 41.8 | 760 | 7-22-54 | 61.7 | 1,170 | 7-14-54 | 107.6 | 2,240 | 5-11-54 | 113.4 | 605 | 5-16-56 | 76.9 | 548 | | | | | | | |
| 7-10-56 | 49.5 | 814 | 8-10-55 | 46.1 | 677 | 8-28-54 | 62.8 | 1,185 | 8-31-54 | - | 2,215 | 7-15-54 | 117.9 | 520 | 7-15-56 | 81.5 | 327 | | | | | | | |
| 8-16-56 | 53.8 | 784 | 5-15-56 | 41.3 | 715 | 6-30-55 | - | 1,120 | 6-30-55 | - | 2,160 | 8-30-54 | - | 485 | 9-12-56 | 82.7 | 407 | | | | | | | |
| 5- 9-57 | 50.3 | 775 | 7-10-56 | 43.9 | 642 | 6-15-56 | 63.2 | 1,130 | 5-16-56 | 107.7 | 2,190 | 7- 1-55 | - | 490 | 5-13-57 | 77.6 | - | | | | | | | |
| 6-26-57 | 50.0 | 636 | 9-14-56 | 44.6 | 614 | 7-12-56 | 64.4 | 1,105 | 8-15-56 | 113.3 | 2,160 | 5-16-56 | 122.0 | 427 | 6-29-57 | 80.2 | 302 | | | | | | | |
| 9-11-57 | 43.0 | 660 | 5-13-57 | 41.2 | 711 | 9- 4-56 | 66.6 | 1,022 | 9-12-56 | 112.8 | 2,150 | 8-16-56 | 139.4 | 397 | 9- 5-57 | 83.4 | 442 | | | | | | | |
| 5-30-58 | 42.9 | 620 | 6-30-57 | 42.4 | 657 | 7- 1-57 | 65.0 | 1,030 | 5-13-57 | 109.4 | 2,105 | 5-13-57 | 135.5 | - | 5-30-58 | 53.8 | 637 ^{8/} | | | | | | | |
| 6-25-58 | 39.5 | 708 | 9- 6-57 | 46.0 | 545 | 9- 6-57 | 68.6 | 1,220 | 8- 9-57 | 116.4 | 2,084 | 6-29-57 | 140.0 | 567 | 8-29-58 | 71.4 | 548 | | | | | | | |
| 8-29-58 | 42.6 | 585 | 7- 7-58 | 44.4 | 567 | 6-11-58 | 66.9 | 907 | 9-11-57 | 115.0 | 2,060 | 9- 1-57 | 141.8 | - | 7- 7-59 | 74.6 | 501 | | | | | | | |
| 5-15-59 | 40.3 | 550 | 5-14-59 | 44.0 | 572 | 7-31-58 | 69.8 | 873 | 6-11-58 | 112.0 | 1,945 | 5-30-58 | 118.4 | 511 | 9- 2-59 | 76.5 | 482 | | | | | | | |
| 7- 7-59 | 37.6 | 604 | 9- 8-59 | 51.1 | 840 ^{5/} | 8-29-58 | 70.7 | 837 | 8-29-58 | 114.7 | 1,925 | 8-29-58 | - | 548 | 8- 3-60 | 77.8 | 468 | | | | | | | |
| 6-25-60 | 50.8 | 635 ^{4/} | 5-13-60 | 50.2 | 850 | 5-14-59 | 63.8 | 908 | 5-13-59 | 112.0 | 1,925 | 5-13-59 | 128.9 | 565 | 6- 7-61 | 77.3 | 463 | | | | | | | |
| 6- 6-61 | 51.5 | 748 | 6-25-60 | 51.5 | 803 | 7- 7-59 | 70.5 | 820 | 7- 7-59 | 115.9 | 1,883 | 7- 7-59 | 137.7 | 510 | 9- 7-61 | 79.0 | 400 | | | | | | | |
| 4-30-62 | 52.5 | 888 | 6- 7-61 | 53.8 | 728 | 9- 8-59 | 71.1 | 823 | 9- 2-59 | 117.1 | 1,895 | 9- 2-59 | 139.5 | 486 | 5-23-62 | 72.5 | 655 ^{8/} | | | | | | | |
| 9- 7-62 | 62.0 | 572 | 9- 7-62 | 56.6 | 635 | 5-13-60 | 68.5 | 867 | 5-13-60 | 115.9 | 1,905 | 6-25-60 | 140.8 | 478 | 9- 7-62 | 78.1 | 548 | | | | | | | |
| | | | | | | 8- 3-60 | 80.3 | 1,118 ^{6/} | 8- 3-60 | 120.4 | 1,852 | 8- 3-60 | 148.3 | 429 | | | | | | | | | | |
| | | | | | | 6- 7-61 | 78.7 | 1,118 | 6- 7-61 | 121.0 | 1,825 | 6- 7-61 | 150.5 | 556 ^{7/} | | | | | | | | | | |
| | | | | | | 9- 7-62 | 82.9 | 1,097 | 9- 7-62 | 124.5 | 1,790 | 9- 7-62 | 150.3 | 417 | | | | | | | | | | |
| Cedar City Valley | | | | | | | | | | | | | | | Parowan Valley | | | | | | | | | |
| (C-35-11)33aac-1 30 hp motor | | | | | (C-37-12)34abb-1 20 hp motor | | | | | (C-33-9)35bac-1 15 hp motor | | | | | (C-34-8)6bdd-1 15 hp motor | | | | | (C-34-10)13cbd-1 15 hp motor | | | | |
| 6-17-53 | 88.4 | 805 | 8-25-56 | 83.6 | 704 | 6-26-53 | 52.3 | 280 | 6-26-53 | 96.3 | 415 | 6-23-53 | 62.3 | 485 | 6-23-53 | 62.3 | 485 | 9-17-53 | 55.8 | 540 | | | | |
| 7-30-53 | 92.7 | 785 | 7-22-57 | - | 667 | 8- 7-53 | 52.7 | 265 | 8- 7-53 | 94.6 | 415 | 5-27-54 | 61.1 | 518 | 7-10-54 | 60.7 | 453 | 8-24-54 | 64.7 | 447 | | | | |
| 9- 3-53 | 91.3 | 785 | 7- 2-58 | 73.5 | 770 | 9-16-53 | 49.0 | - | 6- 3-54 | 91.9 | 405 | 5-26-55 | 97.5 | 382 | 5-25-55 | 65.3 | 445 | 8- 7-55 | 68.0 | 435 | | | | |
| 4-30-54 | 85.5 | 830 | 5-15-59 | 75.5 | 804 | 6- 3-54 | 51.7 | 265 | 7-12-54 | 100.0 | 379 | 7- 7-55 | - | 355 | 5-10-56 | 66.3 | 317 | 5-10-56 | 70.0 | 412 | | | | |
| 7- 7-54 | 91.0 | 802 | 7-10-59 | 79.1 | 694 | 7-10-54 | - | 231 | 5-26-55 | 97.5 | 382 | 6-19-56 | 103.2 | 410 | 6-20-56 | 70.6 | 403 | 7-10-56 | 70.8 | 727 | | | | |
| 8-25-54 | 95.4 | 790 | 8-14-59 | 79.7 | 685 | 35bac-2 ^{9/} | | | 7- 7-55 | - | 355 | 7-11-56 | 104.9 | 396 | 8-13-56 | 105.3 | 380 | 5- 8-57 | 63.5 | - | | | | |
| 5-26-55 | 92.3 | - | 5-26-60 | 81.3 | - | 5-25-55 | 99.8 | 373 | 8- 8-55 | 97.5 | 370 | 6-24-57 | 105.4 | 328 | 5-29-58 | 101.7 | 385 | 6-28-57 | 69.5 | 402 | | | | |
| 8-11-55 | 100.0 | 750 | 7-18-60 | 85.4 | 584 | 8- 8-55 | 92.5 | - | 6-19-56 | 103.2 | 410 | 7- 7-58 | 102.0 | 326 | 9- 6-57 | 72.2 | - | 7-28-58 | 72.3 | 375 | | | | |
| 6-21-56 | 99.2 | 661 | 5-12-61 | 77.2 | 755 | 9- 1-55 | - | 435 | 7-11-56 | 104.9 | 396 | 5-16-59 | 100.5 | 368 | 5-29-58 | 68.7 | - | 9-16-58 | 69.3 | - | | | | |
| 7-13-56 | 102.4 | 661 | 9- 5-61 | 84.7 | 617 | 5-10-56 | 85.2 | 417 | 8-13-56 | 105.3 | 380 | 9-30-59 | 101.5 | 337 | 5-16-59 | 68.8 | - | 7-30-59 | 72.5 | 325 | | | | |
| 9-19-56 | 104.8 | 640 | 9-27-62 | 79.5 | 659 | 7-12-56 | 103.7 | 297 | 6- 7-57 | 104.9 | 365 | 5- 6-60 | 102.9 | 317 | 8-31-59 | 71.5 | - | 5- 6-60 | 69.9 | - | | | | |
| 9- 5-57 | 104.8 | 600 | | | | 8-13-56 | 96.3 | 357 | 6-24-57 | 105.4 | 328 | 8- 8-61 | 119.5 | 410 ^{2/} | 7-21-60 | 73.1 | 312 | 5-11-61 | 69.5 | - | | | | |
| 7- 2-58 | 92.2 | 710 | | | | 6- 7-57 | 98.6 | 274 | 5-29-58 | 101.7 | 385 | 5-17-62 | 117.6 | - | 9-16-60 | 72.5 | - | 8- 7-61 | 72.7 | 282 | | | | |
| 8-28-58 | 98.2 | 692 | | | | 8- 8-57 | 103.7 | 232 | 7- 7-58 | 102.0 | 326 | 8- 2-62 | 119.6 | 400 | 5-18-62 | 76.2 | - | 5-18-62 | 76.2 | - | | | | |
| 5-16-59 | 96.0 | 675 | | | | 9- 4-57 | 103.2 | 311 | 5-29-58 | 101.7 | 385 | | | | 7-31-62 | 81.5 | 488 | | | | | | | |
| 7-28-59 | 105.3 | 630 | | | | 5-29-58 | 101.3 | - | 7- 7-58 | 102.0 | 326 | | | | | | | | | | | | | |
| 9- 1-59 | 106.5 | 630 | | | | 8- 8-58 | 97.5 | - | 8-14-59 | 101.5 | 337 | | | | | | | | | | | | | |
| 5- 5-60 | 107.8 | 614 | | | | 7-31-59 | 73.9 | 572 ^{10/} | 9-30-59 | 102.9 | 317 | | | | | | | | | | | | | |
| 7-20-60 | 109.8 | 609 | | | | 5-27-60 | 63.0 | 608 | 5- 6-60 | 102.9 | 317 | | | | | | | | | | | | | |
| 9-18-60 | 113.5 | 595 | | | | 7-22-60 | 73.5 | 560 | 7-22-60 | 106.4 | 433 | | | | | | | | | | | | | |
| 5-11-61 | 103.0 | 612 | | | | 9-16-60 | 71.1 | 503 | 8- 8-61 | 119.5 | 410 ^{2/} | | | | | | | | | | | | | |
| 9- 5-61 | 113.7 | 569 | | | | 5-11-61 | 58.3 | 681 | 5-17-62 | 117.6 | - | | | | | | | | | | | | | |
| 9-27-62 | 115.5 | 696 ^{2/} | | | | 8- 8-61 | 68.7 | 585 | | | | | | | | | | | | | | | | |
| | | | | | | 5-18-62 | 64.6 | 595 | | | | | | | | | | | | | | | | |
| | | | | | | 8- 2-62 | 76.2 | 566 | | | | | | | | | | | | | | | | |

Table 3.--Selected drillers' logs of wells in the Beaver, Escalante, Cedar City, and Parowan Valleys

Altitudes are in feet above sea level for land surface at well.
Thickness in feet. Depth in feet below land surface.

| Beaver Valley | | | | | |
|--|-----|-------|--|-----|-------|
| Thickness | | Depth | Thickness | | Depth |
| (C-29-7)16aaa-1. Log by P. C. Bradshaw. Alt. 5,978 ft. | | | (C-29-8)25cac-2. Log by R. L. Halterman. Alt. 5,668 ft. | | |
| Boulders | 38 | 38 | Gravel and clay | 9 | 9 |
| Clay, brown | 4 | 42 | Gravel; tight | 2 | 11 |
| Clay, brown, and gravel | 4 | 46 | Gravel; loose | 5 | 16 |
| Clay | 3 | 49 | Gravel and clay | 3 | 19 |
| Gravel | 8 | 57 | Gravel | 9 | 28 |
| Clay | 17 | 74 | Clay | 5 | 33 |
| Gravel | 16 | 90 | Gravel; loose | 3 | 36 |
| Clay | 6 | 96 | Clay | 2 | 38 |
| Gravel | 4 | 100 | Gravel; loose | 7 | 45 |
| Clay | 9 | 109 | Gravel; tight | 22 | 67 |
| Gravel | 13 | 122 | Gravel; loose | 12 | 79 |
| Clay | 6 | 128 | Clay | 5 | 84 |
| Gravel | 3 | 131 | Gravel; loose | 6 | 90 |
| Clay | 9 | 140 | Clay and gravel | 10 | 100 |
| Gravel and clay | 3 | 143 | Clay | 3 | 103 |
| Clay | 30 | 173 | Sand | 4 | 107 |
| Gravel | 4 | 177 | Clay | 21 | 128 |
| Clay | 8 | 185 | Sand | 4 | 132 |
| (C-29-7)28abd-1. Alt. 5,860 ft. | | | Clay | 38 | 170 |
| Soil | 3 | 3 | Sand | 6 | 176 |
| Clay | 3 | 6 | Gravel; flowing water | 4 | 180 |
| Sand and gravel | 79 | 85 | Clay | 26 | 206 |
| Clay | 5 | 90 | Gravel; fine | 3 | 209 |
| Alternating layers of sand and clay | 123 | 213 | Clay and sand | 7 | 216 |
| | | | Sand and gravel; flowing water | 4 | 220 |
| | | | Clay and sand | 7 | 227 |
| | | | Sand and gravel; flowing water | 6 | 233 |
| Escalante Valley, Black Rock district | | | | | |
| (C-25-9)17dab-1. Log by A. R. Gamble. | | | (C-25-11)9cad-1. Log by R. A. Olsen. Alt. 4,989 ft. | | |
| Clay, yellow | 2 | 2 | Clay | 1 | 1 |
| Rock, lime, hard blue | 10 | 12 | Gravel | 8 | 9 |
| Rock, lime, soft white | 6 | 18 | Clay, red | 3 | 12 |
| Rock, lime, hard blue | 2 | 20 | Sand, red and igneous rock | 18 | 30 |
| Rock, lime, soft white | 7 | 27 | Clay, rock, small composite | 60 | 90 |
| Rock, lime, hard blue | 4 | 31 | Clay, white | 20 | 110 |
| Rock, lime, soft white | 4 | 35 | Rock, red, hard flint | 2 | 112 |
| Rock, lime, hard blue | 6 | 41 | Clay, red | 16 | 128 |
| Garnetize manganite | 25 | 66 | Rock, red, flint | 32 | 160 |
| Granite pebbles, red | 5 | 71 | Clay, red and rocks, small | 30 | 190 |
| Clay, yellow and quicksand | 24 | 95 | Rock, gray and sand | 40 | 230 |
| Clay, yellow and gravel, light | 16 | 111 | Clay, blue in soapstone | 50 | 280 |
| Gravel, coarse, water | 18 | 129 | Clay, rock composite | 10 | 290 |
| (C-25-10)5cdd-1. Log by H. S. Peterson. | | | Rock, red, flint and calcite formation | 2 | 292 |
| Clay | 18 | 18 | Quartzite, copper, 10 oz. and silver, 10 oz. | 15 | 307 |
| Sand, water | 1 | 19 | Clay, white with rock composite formation | 22 | 329 |
| Clay | 24 | 43 | Note: dry hole | | |
| Gravel, water | 15 | 58 | | | |
| Clay | 4 | 62 | | | |
| Escalante Valley, Milford district | | | | | |
| (C-27-10)29dbc-1. Alt. 4,959 ft. | | | (C-27-10)31bbd-1 - Continued. | | |
| Soil | 5 | 5 | Gravel, boulders | 19 | 271 |
| Gravel | 3 | 8 | Clay | 5 | 276 |
| Clay | 9 | 17 | Gravel, boulders | 15 | 291 |
| Gravel | 16 | 33 | Clay, gravel | 30 | 321 |
| Clay | 40 | 73 | Gravel, boulders | 26 | 347 |
| Gravel | 5 | 78 | Clay, hard | 12 | 359 |
| Clay | 70 | 148 | Gravel, boulders | 7 | 366 |
| Hard formation | 8 | 156 | Clay | 12 | 378 |
| Clay | 39 | 195 | Boulders | 16 | 394 |
| Sand, blue | 5 | 200 | Clay | 7 | 401 |
| Clay, blue | 10 | 210 | Gravel, boulders | 15 | 416 |
| Sand; flowing water | 3 | 213 | Clay | 8 | 424 |
| Clay, blue | 3 | 216 | Gravel, boulders | 23 | 447 |
| Sand; flowing water | 3 | 219 | Clay | 16 | 463 |
| Clay, blue | 4 | 223 | Gravel, boulders | 15 | 478 |
| Sand; flowing water | 8 | 231 | Clay | 12 | 490 |
| (C-27-10)31bbd-1. Alt. 5,060 ft. | | | Gravel, boulders | 75 | 565 |
| Surface soil | 18 | 18 | Clay | 7 | 572 |
| Clay | 34 | 52 | Gravel | 26 | 598 |
| Clay, boulders | 26 | 78 | Clay | 23 | 621 |
| Gravel, boulders; water | 10 | 88 | Gravel | 15 | 636 |
| Clay | 30 | 118 | Clay | 35 | 671 |
| Boulders | 8 | 126 | Gravel | 8 | 679 |
| Clay | 25 | 151 | Clay | 13 | 692 |
| Gravel, boulders | 12 | 163 | Gravel | 8 | 700 |
| Clay, gravel | 15 | 178 | (C-28-10)7dab-1. Log by J. G. Weber. Alt. 4,970 ft. | | |
| Gravel, boulders | 3 | 181 | Clay, brown | 40 | 40 |
| Clay | 12 | 193 | Sand, coarse gravel; water | 50 | 90 |
| Gravel, boulders | 4 | 197 | Fine sand; water | 50 | 140 |
| Clay | 39 | 236 | Clay, yellow | 6 | 146 |
| Gravel, sand | 11 | 247 | Quicksand; water | 34 | 180 |
| Clay, wet | 5 | 252 | Clay, brown | 11 | 191 |
| | | | Clay, sandy, brown | 105 | 296 |
| | | | (C-28-10)7dab-1 - Continued. | | |
| | | | Clay | 7 | 303 |
| | | | Fine sand, water | 16 | 319 |
| | | | Clay, yellow | 18 | 337 |
| | | | Sand, fine, water | 9 | 346 |
| | | | Clay, yellow | 31 | 377 |
| | | | Sand, fine, water | 12 | 389 |
| | | | Clay, blue | 47 | 436 |
| | | | Sand, hardpan | 79 | 515 |
| | | | Sand, coarse, water | 13 | 528 |
| | | | Shale, blue | 17 | 545 |
| | | | Clay, blue, boulders | 12 | 557 |
| | | | (C-28-10)20ddd-1. Log by B and B Drilling Co. Alt. 4,997 ft. | | |
| | | | Clay | 18 | 18 |
| | | | Sand; water | 3 | 21 |
| | | | Clay | 19 | 40 |
| | | | Sand | 2 | 42 |
| | | | Clay | 59 | 101 |
| | | | Gravel | 4 | 105 |
| | | | Clay | 9 | 114 |
| | | | Gravel | 5 | 119 |
| | | | Clay | 6 | 125 |
| | | | Clay, sandy | 2 | 127 |
| | | | Clay | 4 | 131 |
| | | | Gravel | 3 | 134 |
| | | | Clay | 29 | 163 |
| | | | Gravel, sandy and clay | 3 | 166 |
| | | | Clay | 8 | 174 |
| | | | Hardpan | 1 | 175 |
| | | | Sand | 3 | 178 |
| | | | Clay | 22 | 200 |
| | | | Hardpan, sand | 4 | 204 |
| | | | Clay, sandy | 12 | 216 |

Table 3.--Selected drillers' logs of wells in the Beaver, Escalante, Cedar City, and Parowan Valleys - Continued

Escalante Valley, Milford district - Continued

| Thickness | Depth | Thickness | Depth | Thickness | Depth |
|--------------------------------------|--------|--------------------------------------|--------|--------------------------------------|--------|
| <u>(C-28-10)20ddd-1 - Continued.</u> | | <u>(C-29-10)17ddd-2 - Continued.</u> | | <u>(C-29-11)27cad-1 - Continued.</u> | |
| Gravel, sandy. | 2 218 | Gravel, sandy, little clay . . . | 28 140 | Clay | 27 279 |
| Clay | 3 221 | Gravel | 24 164 | Gravel | 1 280 |
| Gravel, sandy. | 11 232 | Clay | 17 181 | Clay | 20 300 |
| Clay | 84 316 | Gravel | 6 187 | <u>(C-29-12)35ddd-1. Log by</u> | |
| Sand, hard | 2 318 | Clay | 16 203 | B and B Drilling Co. | |
| Clay | 12 330 | Gravel | 5 208 | Alt. 5,093 ft. | |
| Sand, hard | 20 350 | Clay | 12 220 | Clay, sandy. | 22 22 |
| Clay | 20 370 | <u>(C-29-11)11aad-2. Log by</u> | | Clay and coarse sand | 7 29 |
| Hardpan, sandstone | 7 377 | B and B Drilling Co. | | Sand, coarse, and some clay. . . | 7 36 |
| Clay, sticky | 17 394 | Alt. 5,010 ft. | | Gravel, very coarse. | 1 37 |
| Clay, red. | 16 410 | Soil | 7 7 | Sand, coarse | 7 44 |
| <u>(C-28-11)3dba-1.</u> | | Clay | 34 34 | Gravel, fine to coarse, and | |
| Lava flow fill | 82 82 | Sand and gravel. | 2 36 | sand. | 7 51 |
| Boulders | 3 85 | Clay | 4 40 | Sand, and fine gravel. | 4 55 |
| Gravel and boulders. | 25 110 | Sand and gravel. | 5 45 | Gravel, very coarse. | 6 61 |
| Clay and gravel. | 50 160 | Clay | 16 61 | Sand and fine gravel | 22 83 |
| Boulders | 5 165 | Sand and gravel. | 7 68 | Gravel, medium | 5 88 |
| Clay and gravel. | 45 210 | Clay | 8 76 | Sand and fine gravel | 7 95 |
| Boulders | 5 215 | Sand and gravel. | 4 80 | Sand, gravel, and clay | 5 100 |
| Clay, sandy; coarse. | 42 257 | Clay | 9 89 | Clay and sand. | 2 102 |
| Clay and gravel. | 49 306 | Sand and gravel. | 7 96 | <u>(C-30-11)12bbb-1. Log by</u> | |
| Conglomerate | 48 354 | Clay | 29 125 | B and B Drilling Co. | |
| Clay, sandy, coarse. | 35 389 | Sand, gravel and boulders. . . . | 22 147 | Alt. 5,083 ft. | |
| Conglomerate, soft | 89 478 | Clay | 3 150 | Topsoil. | 4 4 |
| Sand, water. | 3 481 | Sand, gravel and boulders. . . . | 26 176 | Coarse gravel. | 6 10 |
| Granite, decomposed. | 16 497 | Clay | 5 181 | Sand and fine gravel | 5 15 |
| Granite. | 3 500 | Sand and boulders. | 21 202 | Clay, sandy, and gravel. | 20 35 |
| <u>(C-29-10)5dcd-1. Log by</u> | | Clay | 18 220 | Clay, sandy, and some gravel . . | 6 41 |
| B and B Drilling Co. | | <u>(C-29-11)27cad-1. Log by</u> | | Gravel | 10 51 |
| Alt. 5,039 ft. | | P. Bradshaw. Alt. 5,039 ft. | | Clay, sandy, and some gravel . . | 2 53 |
| Soil | 12 12 | Soil | 2 2 | Clay, sandy, and gravel. | 12 65 |
| Sand, gravel | 43 55 | Gravel; dry. | 23 25 | Clay, sandy, and some gravel . . | 10 75 |
| Clay | 53 108 | Clay | 7 32 | Clay, sandy, and some fine | |
| Sand, gravel | 18 126 | Gravel; dry. | 4 36 | gravel. | 31 106 |
| Clay | 8 134 | Gravel | 8 44 | Gravel | 6 112 |
| Gravel, boulders | 7 141 | Clay | 13 57 | <u>(C-30-12)11cbc-1.</u> | |
| Clay | 24 165 | Gravel | 11 68 | Alt. 5,034 ft. | |
| Sand, gravel | 11 176 | Clay | 2 70 | Clay, surface. | 5 5 |
| Clay | 4 180 | Sand | 3 73 | Gravel, fine | 5 10 |
| Boulders | 20 200 | Gravel | 6 79 | Sand, red. | 3 13 |
| Clay | 30 230 | Clay | 4 83 | Clay, white. | 25 38 |
| Sand | 10 240 | Gravel | 6 89 | Gravel, fine, water. | 3 41 |
| Clay and sand. | 35 275 | Clay and gravel. | 17 106 | Clay, white. | 54 95 |
| Gravel | 10 285 | Gravel | 8 114 | Clay, red. | 45 140 |
| Clay | 5 290 | Clay | 13 127 | Quicksand. | 23 163 |
| Gravel, boulders | 20 310 | Gravel | 4 131 | Clay, red. | 17 180 |
| Clay | 20 330 | Clay | 19 150 | Sand and clay. | 25 205 |
| <u>(C-29-10)17ddd-2. Log by</u> | | Gravel | 2 152 | Clay, blue | 20 225 |
| B and B Drilling Co. | | Clay | 20 172 | Sand | 10 235 |
| Alt. 5,090 ft. | | Gravel | 18 190 | Clay | 9 244 |
| Clay, sandy. | 6 6 | Clay | 13 203 | Clay and gravel. | 31 275 |
| Gravel, dry. | 84 90 | Gravel | 4 207 | Clay and sand. | 41 316 |
| Clay | 6 96 | Clay, gravel and gravel. | 3 210 | Clay and gravel. | 12 328 |
| Clay, gravelly | 4 100 | Gravel | 1 211 | Sand | 13 341 |
| Gravel | 12 112 | Clay | 37 248 | Clay and gravel, water | 60 401 |
| | | Gravel and clay. | 4 252 | | |

Escalante Valley, Lund district

| | | | | | |
|---------------------------------------|---------|--------------------------------------|--------|--------------------------------------|--------|
| <u>(C-31-13)1a-1.</u> | | <u>(C-32-14)21bad-1 - Continued.</u> | | <u>(C-32-14)21bad-1 - Continued.</u> | |
| Alt. 5,071 ft. | | Clay, blue | 65 85 | Clay, sandy. | 2 625 |
| Soil and sand. | 24 24 | Clay, sandy. | 5 90 | Clay, blue | 3 628 |
| Clay | 10 34 | Clay, hard, tough. | 52 142 | Clay, grey | 15 643 |
| Gravel | 11 45 | Sand, fine, and gravel | 2 144 | Clay, sandy. | 6 649 |
| Clay | 13 58 | Clay, blue, tough. | 13 157 | Clay, brown and blue | 39 688 |
| Gravel | 12 70 | Clay, sandy. | 12 169 | Sandstone, soft. | 2 690 |
| Clay | 46 116 | Clay, brown, hard. | 12 181 | Clay, sandy. | 2 692 |
| <u>(C-31-14)24caa-1.</u> | | Clay, blue, tough. | 24 205 | Clay, brown. | 9 701 |
| Soil and sand. | 15 15 | Clay, sandy. | 5 210 | Clay, blue | 4 705 |
| Sand and gravel. | 105 120 | Clay, brown, hard. | 62 272 | Clay, white. | 1 706 |
| Gypsum | 7 127 | Clay, blue, tough. | 23 295 | Clay, sandy. | 1 707 |
| Sand and gravel. | 41 168 | Clay, blue | 14 309 | Sand, fine | 2 709 |
| Gypsum | 6 174 | Clay, brown. | 41 350 | Gravel, coarse and sand. | 3 712 |
| Gravel | 4 178 | Clay, blue | 16 366 | Sand | 4 716 |
| Gypsum | 6 184 | Clay, sandy. | 4 370 | Sand, coarse and gravel. | 7 723 |
| Gravel, water. | 23 207 | Clay, brown. | 4 374 | Clay, grey | 2 725 |
| <u>(C-32-13)11dad-1. Log by R. L.</u> | | Clay, blue | 11 385 | Sand, black. | 3 728 |
| Haltermann. | | Clay, sandy. | 4 389 | Sand, coarse and gravel. | 5 733 |
| Surface clay and soil. | 5 5 | Clay, brown. | 11 400 | Sand | 3 736 |
| Fine sand. | 6 11 | Clay, blue | 38 438 | Sand, coarse and gravel. | 5 741 |
| Clay | 9 20 | Clay, sandy. | 5 443 | Clay, brown. | 5 746 |
| Sand and gravel. | 35 55 | Clay, brown. | 52 495 | <u>(C-33-14)15dbd-1.</u> | |
| Clay | 2 57 | Clay, blue | 8 503 | Alt. 5,118 ft. | |
| Sand and gravel; little water. . | 13 70 | Clay, sandy. | 2 505 | Clay and sand. | 7 7 |
| Clay | 12 82 | Sand, coarse, water. | 5 510 | Clay | 25 32 |
| Sand and gravel. | 9 91 | Clay, sandy. | 3 513 | Sand; some water | 9 41 |
| Clay | 21 112 | Clay, brown. | 15 528 | Clay and sand. | 14 55 |
| Clay, sandy. | 20 132 | Clay, sandy. | 3 531 | Sand, fine and gravel; water . . | 5 60 |
| <u>(C-32-14)21bad-1.</u> | | Clay, brown. | 26 557 | Clay | 10 70 |
| Soil and clay. | 12 12 | Clay, blue | 13 570 | Sand, fine; some water | 30 100 |
| Coarse sand. | 8 20 | Clay, sandy. | 3 573 | Clay | 11 111 |
| | | Clay, brown, tough. | 18 591 | Clay and sand. | 24 135 |
| | | Clay, brown, sticky. | 21 612 | Sand, coarse; water. | 5 140 |
| | | Clay, grey | 11 623 | | |

Table 3.--Selected drillers' logs of wells in the Beaver, Escalante, Cedar City, and Parowan Valleys - Continued

Escalante Valley, Beryl-Enterprise district

| Thickness | | Depth | Thickness | | Depth | Thickness | | Depth |
|---|--|-------|---------------------------------------|--|-------|---|--|-------|
| <u>(C-33-15)33dbc-1.</u> | | | <u>(C-35-15)3ddc-1. Log by Roscoe</u> | | | <u>(C-35-16)22add-1 - Continued.</u> | | |
| Alt. 5,111 ft. | | | Moss Co. Alt. 5,139 ft. | | | Gravel, coarse 14 85 | | |
| Loam, sandy. 10 10 | | | Topsoil. 3 3 | | | Clay 41 126 | | |
| Gravel; water. 3 13 | | | Gravel, dry. 7 10 | | | Gravel, coarse 18 144 | | |
| Clay 105 118 | | | Clay 36 46 | | | Clay 3 147 | | |
| | | | Gravel; water. 6 52 | | | | | |
| <u>(C-33-16)32aba-1.</u> | | | Clay 28 80 | | | <u>(C-35-16)28bdc-1. Log by Frank</u> | | |
| Alt. 5,147 ft. | | | Gravel; water. 6 86 | | | Quinn. Alt. 5,166 ft. | | |
| Soil, surface clay 8 8 | | | Clay 32 118 | | | Soil 2 2 | | |
| Clay and gravel. 8 16 | | | Gravel; water. 18 136 | | | Clay 4 6 | | |
| Gravel; water. 7 23 | | | Clay 24 160 | | | Clay and sand. 8 14 | | |
| Gravel and clay. 15 38 | | | Gravel; water. 8 168 | | | Clay 5 19 | | |
| Clay 80 118 | | | Clay 66 234 | | | Sand and gravel. 17 36 | | |
| Clay and gravel. 57 175 | | | Gravel; water. 22 256 | | | Clay 6 42 | | |
| Gravel; water. 5 180 | | | Clay 50 306 | | | Clay and sand. 12 54 | | |
| Clay 20 200 | | | Gravel, water. 28 334 | | | Sand 6 60 | | |
| Sand; water. 3 203 | | | Clay 16 350 | | | Sand and gravel. 5 65 | | |
| Clay 5 208 | | | | | | Sand, gravel, and clay 15 80 | | |
| | | | | | | Sand 2 82 | | |
| <u>(C-34-16)18bcc-2.</u> | | | <u>(C-35-15)20bcd-1.</u> | | | Clay and sand. 14 96 | | |
| Alt. 5,142 ft. | | | Alt. 5,159 ft. | | | Sand 5 101 | | |
| Sand and gravel. 14 14 | | | Clay 9 9 | | | Sand and gravel. 22 123 | | |
| Gravel; water. 2 16 | | | Gravel 3 12 | | | Clay 6 129 | | |
| Clay 6 22 | | | Clay 31 43 | | | Sand and gravel. 4 133 | | |
| Gravel; water. 3 25 | | | Gravel 5 48 | | | Clay 6 139 | | |
| Clay 22 47 | | | Clay 37 85 | | | Sand and gravel. 10 149 | | |
| Gravel; water. 3 50 | | | Gravel 4 89 | | | Clay 2 151 | | |
| Clay 16 66 | | | Clay 2 91 | | | Sand and gravel. 4 155 | | |
| Gravel; water. 5 71 | | | Gravel 3 94 | | | Clay 1 156 | | |
| Clay 65 136 | | | Clay 4 98 | | | Sand and gravel. 2 158 | | |
| | | | Gravel 3 101 | | | Clay 7 165 | | |
| | | | Clay 14 115 | | | Clay, sand, and gravel 15 180 | | |
| | | | Gravel 6 121 | | | Clay 25 205 | | |
| | | | Clay 20 141 | | | | | |
| | | | Clay and gravel. 3 144 | | | | | |
| | | | Gravel 2 146 | | | | | |
| | | | Clay 2 148 | | | | | |
| | | | Gravel 6 154 | | | | | |
| | | | Clay, white. 2 156 | | | | | |
| | | | Gravel 3 159 | | | | | |
| | | | Clay 3 162 | | | | | |
| | | | | | | | | |
| <u>(C-34-16)28acc-2.</u> | | | <u>(C-35-16)17bad-1.</u> | | | <u>(C-35-17)25dca-2.</u> | | |
| Alt. 5,135 ft. | | | Alt. 5,152 ft. | | | Alt. 5,182 ft. | | |
| Soil (?) 8 8 | | | Sand 9 9 | | | Soil 3 3 | | |
| Gravel 3 11 | | | Gravel and clay. 5 14 | | | Gravel 4 7 | | |
| Clay 10 21 | | | Clay 5 19 | | | Soil, sandy; water 8 15 | | |
| Gravel 10 31 | | | Gravel, fine 9 28 | | | Gravel 3 18 | | |
| Clay 5 36 | | | Clay 2 30 | | | Clay, red. 17 35 | | |
| Gravel 22 58 | | | Gravel, fine 5 35 | | | Gravel 9 44 | | |
| Clay 2 60 | | | Clay 29 64 | | | Surface, white putty 3 47 | | |
| Gravel 11 71 | | | Gravel, coarse 9 73 | | | Clay, red. 3 50 | | |
| Clay 2 73 | | | Clay 30 103 | | | Surface, white putty 5 55 | | |
| Gravel 20 93 | | | Gravel, coarse 14 117 | | | Clay 6 61 | | |
| Clay 6 99 | | | Clay 3 120 | | | Clay, red. 6 67 | | |
| Gravel 21 120 | | | | | | Gravel 4 71 | | |
| Clay 10 130 | | | | | | Clay 2 73 | | |
| Gravel 1 131 | | | | | | Gravel; water. 4 77 | | |
| | | | | | | Sand; water. 33 110 | | |
| | | | | | | | | |
| <u>(C-34-19)36dbc-2. Log by</u> | | | <u>(C-35-16)22add-1.</u> | | | <u>(C-36-16)29daa-1.</u> | | |
| Roscoe Moss Co. | | | Alt. 5,160 ft. | | | Alt. 5,233 ft. | | |
| Clay and sand. 24 24 | | | Soil 7 7 | | | Sand and silt. 10 10 | | |
| Gravel and sand. 19 43 | | | Gravel, fine 3 10 | | | Gravel 30 40 | | |
| Rock and sand. 2 45 | | | Clay 6 16 | | | Gravel, clayish. 50 90 | | |
| Gravel, cemented and sand. 6 51 | | | Gravel, fine 11 27 | | | Gravel, clean. 60 150 | | |
| Gravel, fine and coarse. 60 111 | | | Clay 5 32 | | | Gravel, loose. 50 200 | | |
| Boulders and gravel. 12 123 | | | Gravel, fine 8 40 | | | Clay 20 220 | | |
| Clay and sand. 2 125 | | | Clay 31 71 | | | Gravel, loose. 30 250 | | |
| Sand and gravel. 131 256 | | | | | | Clay 20 270 | | |
| Boulders 29 285 | | | | | | Gravel, tight. 19 289 | | |
| Rock, conglomerate 80 365 | | | | | | Clay 31 320 | | |
| Clay and gravel. 23 388 | | | | | | Gravel, cemented 50 370 | | |
| Clay, red, hard. 2 390 | | | | | | Clay and gravel. 10 380 | | |
| Rock, red. 2 392 | | | | | | | | |
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Table 3.--Selected drillers' logs of wells in the Beaver, Escalante, Cedar City, and Parowan Valleys - Continued

Cedar City Valley - Continued

| Thickness | Depth | Thickness | Depth | Thickness | Depth |
|---|---------|--------------------------------------|--------|--|--------|
| <u>(C-35-11)21dbd-1 - Continued.</u> | | <u>(C-36-12)12dba-1 - Continued.</u> | | <u>(C-36-12)12dba-1 - Continued.</u> | |
| Clay, heavy red. | 45 150 | Clay | 6 120 | Sand and cobble rock | 4 565 |
| Gravel, fine to coarse | 23 173 | Sand, fine | 7 127 | Clay | 9 574 |
| Clay, brownish red | 10 183 | Clay | 3 130 | Sand, fine | 11 585 |
| Gravel, medium to coarse; water | 2 185 | Sand, fine | 5 135 | Clay | 6 591 |
| Clay, heavy, brownish red to yellowish | 20 205 | Clay | 4 139 | Sand and gravel | 9 600 |
| Gravel; good water | 5 210 | Sand, fine | 2 141 | | |
| Clay, yellow and blue | 15 225 | Clay | 3 144 | | |
| Gravel | 3 228 | Sand, fine | 8 152 | | |
| <u>(C-35-11)31acd-1.</u> | | Clay | 18 170 | <u>(C-36-12)36daa-1. Log by</u> | |
| Alt. 5,534 ft. | | Sand, fine | 3 173 | H. Stonehill. Alt. 5,605 ft. | |
| No record | 78 78 | Clay | 2 175 | Soil | 24 24 |
| Clay and sand | 3 81 | Sand, fine | 3 178 | Gravel; dry | 2 26 |
| Gravel and clay | 6 87 | Clay | 3 181 | Gravel and clay | 39 65 |
| Sand and clay | 81 168 | Sand, fine | 6 187 | Clay; some water | 43 108 |
| Gravel and sand | 7 175 | Clay | 19 206 | Gravel; some water | 5 113 |
| Clay | 25 200 | Sand, fine, water | 5 211 | Clay | 17 130 |
| Gravel | 2 202 | Clay | 3 214 | Gravel, traces of clay, some water | 20 150 |
| Clay | 20 222 | Sand, coarse | 4 218 | Clay | 40 190 |
| Gravel | 5 227 | Clay | 3 221 | Gravel | 6 196 |
| Clay | 15 242 | Sand, fine | 3 224 | Clay | 8 204 |
| Gravel and sand | 6 248 | Clay | 16 240 | Gravel | 2 206 |
| <u>(C-35-12)18ddd-1.</u> | | Sand, fine | 2 242 | Clay, sticky | 12 218 |
| Alt. 5,385 ft. | | Clay | 10 252 | Gravel, some clay; good water | 17 235 |
| Surface soil | 22 22 | Sand, fine | 8 260 | Clay, yellow, hard | 23 258 |
| Gravel, water | 2 24 | Clay | 5 265 | Gravel and sand, poor water | 24 282 |
| Clay, red | 2 26 | Sand, fine | 3 268 | Clay | 26 308 |
| Rock, solid | 45 71 | Clay | 8 276 | | |
| Sandstone | 17 88 | Sand and gravel | 5 281 | <u>(C-37-12)23aca-1. Log by</u> | |
| Conglomerate | 69 157 | Clay | 4 285 | P. Bradshaw. Alt. 5,525 ft. | |
| Sandstone | 123 280 | Sand, fine | 3 288 | Clay, sandy | 32 32 |
| Rock, hard | 2 282 | Clay | 3 311 | Gravel and rocks | 8 40 |
| <u>(C-35-12)34dcd-1.</u> | | Sand, gravel, cobble rock | 31 342 | Clay | 8 48 |
| Alt. 5,485 ft. | | Clay | 3 345 | Clay and gravel | 12 60 |
| Sand and clay | 14 14 | Sand, gravel, cobble rock | 26 371 | Sand and clay | 23 83 |
| Clay | 34 48 | Clay | 3 374 | Gravel; water | 3 86 |
| Sand and sandstone | 5 53 | Sand, fine | 4 378 | Sand and clay | 50 136 |
| Sand and clay | 4 57 | Clay | 3 381 | Gravel | 20 156 |
| Clay | 3 60 | Sand, fine | 5 386 | Sand and clay | 19 175 |
| Boulders | 3 63 | Clay | 2 388 | Gravel | 2 177 |
| Gravel and sand | 24 87 | Sand, fine | 3 391 | Clay and gravel | 6 183 |
| Clay | 6 93 | Clay | 6 397 | Tight gravel | 11 194 |
| Gravel | 4 97 | Sand, fine | 7 404 | Clay | 2 196 |
| Clay | 3 100 | Clay | 3 407 | Tight gravel | 10 206 |
| Gravel, coarse | 8 108 | Sand, gravel, cobble rock | 24 431 | Clay, sandy | 24 230 |
| <u>(C-36-12)12dba-1. Log by S. A. Halterman. Alt. 5,511 ft.</u> | | Cobble rock | 11 445 | Clay and gravel | 26 256 |
| Sand and clay | 7 7 | Clay | 30 475 | Clay | 11 267 |
| Sand, fine | 2 9 | Sand, gravel, cobble rock | 21 496 | Clay and gravel | 9 276 |
| Clay | 18 27 | Sand, fine | 5 501 | | |
| Sand, fine, surface water | 3 30 | Gravel | 4 505 | <u>(C-37-12)34abb-1.</u> | |
| Clay | 24 54 | Clay | 3 508 | Alt. 5,507 ft. | |
| Sand, fine | 5 59 | Sand, fine | 14 522 | Soil | 18 18 |
| Clay | 30 89 | Clay | 3 525 | Sand and clay | 30 48 |
| Sand, fine | 10 99 | Gravel | 2 527 | Gravel, dry | 4 52 |
| Clay | 11 110 | Clay | 2 529 | Clay | 12 64 |
| Sand, coarse | 4 114 | Sand, fine | 1 530 | Gravel, water | 26 90 |
| | | Clay | 7 537 | Clay | 6 96 |
| | | Sand, fine | 5 542 | Gravel, water | 58 154 |
| | | Clay | 7 549 | Clay | 2 156 |
| | | Gravel | 7 556 | Gravel, coarse, water | 34 190 |
| | | Clay | 3 559 | | |
| | | Sand, fine | 2 561 | | |

Parowan Valley

| | | | | | |
|--|--------|-------------------------------------|--------|---------------------------|--------|
| <u>(C-32-8)26cda-2. Log by Floyd Hastings.</u> | | <u>(C-33-9)34cbd-1 - Continued.</u> | | <u>(C-33-9)36dcd-1.</u> | |
| Clay | 16 16 | Clay | 26 206 | Alt. 5,797 ft. | |
| Gravel; dry | 10 26 | Sand and gravel | 12 218 | No record | 76 76 |
| Clay | 4 30 | Clay | 12 230 | Clay | 9 85 |
| Sand and clay; some water | 11 41 | Sand and gravel | 7 237 | Sand and gravel | 23 108 |
| Gravel, fine | 2 43 | Clay | 44 281 | Clay | 20 128 |
| Sand and clay | 8 51 | Sand and gravel | 19 300 | Sand and gravel | 3 131 |
| Gravel | 4 55 | Clay | 5 305 | Clay | 23 154 |
| Clay | 11 66 | Sand and gravel | 6 311 | Sand and gravel | 8 162 |
| Gravel | 24 90 | Clay | 14 325 | Clay | 12 174 |
| Sand and clay | 34 124 | Sand and gravel | 3 328 | Sand and gravel | 9 183 |
| Clay | 10 134 | Clay | 6 334 | Clay | 5 188 |
| Gravel | 8 142 | Sand and clay | 10 344 | Sand and gravel | 2 190 |
| Sand and clay | 10 152 | Clay | 18 362 | Clay | 6 196 |
| Clay | 8 160 | Sand, fine | 3 365 | Sand and gravel | 4 200 |
| Gravel | 8 168 | Sand and clay | 5 370 | Clay | 6 206 |
| Clay | 32 200 | Clay | 4 374 | Sand and gravel | 8 214 |
| <u>(C-33-9)34cbd-1.</u> | | Sand and gravel | 6 380 | Clay | 12 226 |
| Alt. 5,737 ft. | | Clay | 28 408 | Sand and gravel | 4 230 |
| No record | 82 82 | Sand, fine | 3 411 | Clay | 25 255 |
| Sand and gravel | 7 89 | Sand and clay | 4 415 | Sand, fine | 4 259 |
| Clay | 28 117 | Clay | 1 416 | Sand and gravel | 3 262 |
| Sand and gravel | 8 125 | Sand, fine | 2 418 | Clay | 7 269 |
| Clay | 2 127 | Sand and gravel | 3 427 | Sand and gravel | 6 275 |
| Sand and gravel | 8 135 | Clay | 27 454 | Clay | 27 302 |
| Clay | 30 165 | Clay | 7 461 | Sand and gravel | 4 306 |
| Sand and gravel | 15 180 | Sand and gravel | 15 476 | Clay | 12 318 |
| | | Clay | 7 483 | Sand and gravel | 3 321 |
| | | Sand and gravel | 6 489 | Clay | 15 336 |
| | | | | Sand and gravel | 11 347 |

Table 3.--Selected drillers' logs of wells in the Beaver, Escalante, Cedar City, and Parowan Valleys - Continued

Parowan Valley - Continued

| Thickness | Depth | Thickness | Depth | Thickness | Depth |
|------------------------------|--------|---|--------|----------------------------------|--------|
| (C-33-9)36dcd-1 - Continued. | | (C-34-8)5bca-1 - Continued. | | (C-34-9)3bcd-1 - Continued. | |
| Clay | 4 351 | Clay | 6 218 | Clay | 17 254 |
| Sand and gravel | 3 354 | Clay and gravel | 49 267 | Gravel and sand, water | 5 259 |
| Clay | 8 362 | Clay | 25 292 | Clay | 7 266 |
| Sand and gravel | 6 368 | Clay and gravel | 46 338 | Gravel | 2 268 |
| Clay | 3 371 | Clay | 12 350 | Clay | 5 273 |
| Sand and gravel | 4 375 | Clay and gravel | 16 366 | Gravel and sand | 5 278 |
| Clay | 5 380 | Gravel | 2 368 | Clay | 8 286 |
| Sand and gravel | 6 386 | Clay | 11 379 | Gravel and sand, water | 15 301 |
| Clay | 9 395 | Gravel | 6 385 | Clay | 33 334 |
| Sand and gravel | 5 400 | Clay and gravel | 35 420 | Gravel and sand, water | 4 338 |
| Clay | 4 404 | Gravel | ? | Clay | 2 340 |
| Sand and gravel | 6 410 | | | Gravel and sand, water | 16 356 |
| Clay | 3 413 | | | Clay | 5 361 |
| Sand and gravel | 10 423 | (C-34-9)3bcd-1. Log by R. L. Haltermann. Alt. 5,763 ft. | | Gravel and sand, water | 9 370 |
| Clay | 39 462 | Clay | 17 17 | Clay | 2 372 |
| Sand and gravel | 8 470 | Gravel and sand, some clay | 12 29 | Gravel | 2 374 |
| Clay | 7 477 | Clay | 3 32 | Clay | 13 387 |
| Sand and gravel | 14 491 | Sand | 2 34 | Gravel and sand, water | 5 392 |
| Clay | 6 497 | Clay | 20 54 | Clay | 9 401 |
| Sand and gravel | 2 499 | Gravel and sand; water | 12 66 | Gravel and sand | 3 404 |
| (C-34-8)5bca-1. | | Clay | 19 85 | Clay | 3 407 |
| Alt. 5,802 ft. | | Boulders, gravel and sand; water | 24 109 | Gravel and sand | 2 409 |
| Clay | 30 30 | Clay | 2 111 | Clay | 31 440 |
| Clay and gravel | 6 36 | Clay | 3 114 | Gravel and sand, water | 10 450 |
| Clay | 7 43 | Gravel; water | 9 123 | Clay | 2 452 |
| Clay and gravel | 14 57 | Clay | 15 138 | Gravel and sand | 4 456 |
| Gravel | 5 62 | Gravel and sand; water | 25 163 | Clay | 4 460 |
| Clay | 49 111 | Clay | 6 169 | Gravel and sand | 11 474 |
| Gravel | 8 119 | Gravel and sand, cemented | 3 172 | Gravel and sand | 4 478 |
| Clay and gravel | 7 126 | Clay | 4 176 | Clay | 3 481 |
| Clay | 26 152 | Gravel and sand | 6 182 | Gravel and sand, water | 15 496 |
| Gravel | 2 154 | Clay | 16 198 | Clay | 3 499 |
| Clay | 4 158 | Gravel and sand; water | 8 206 | Gravel and sand | 6 505 |
| Gravel | 3 161 | Clay | 5 211 | Hardpan | 12 517 |
| Clay | 42 203 | Gravel and sand; water | 9 220 | Gravel and sand | 3 520 |
| Gravel | 4 207 | Clay | 17 237 | Clay | 37 557 |
| Clay and gravel | 5 212 | Gravel and sand | | Gravel and sand | 3 560 |

Table 4.--Chemical analyses of water from selected wells and springs in the Beaver, Escalante, Cedar City, and Parowan Valleys (Analyses by U.S. Geological Survey)

| Well number | Date of collection | Temperature (°F) | Parts per million | | | | | | | | | | | | | | Dissolved solids ¹ / _l | Hardness as CaCO ₃ | Noncarbonate hardness as CaCO ₃ | Percent sodium | Sodium adsorption ratio (SAR) | Specific conductance (micromhos/cm at 25°C) | pH |
|---------------------------------------|--------------------|------------------|----------------------------|-----------|--------------|----------------|-------------|---------------|---------------------------------|----------------------------|---------------|--------------|----------------------------|-----------|-------|-------|--|-------------------------------|--|----------------|-------------------------------|---|----|
| | | | Silica (SiO ₂) | Iron (Fe) | Calcium (Ca) | Magnesium (Mg) | Na + K | | Bicarbonate (HCO ₃) | Sulfate (SO ₄) | Chloride (Cl) | Fluoride (F) | Nitrate (NO ₃) | Boron (B) | | | | | | | | | |
| | | | | | | | Sodium (Na) | Potassium (K) | | | | | | | | | | | | | | | |
| Beaver Valley | | | | | | | | | | | | | | | | | | | | | | | |
| (C-28-7)21daa-1 | 6-27-62 | 53 | 31 | 0.01 | 48 | 6.8 | 16 | | 134 | 25 | 30 | 0.5 | 3.7 | - | 227 | 148 | 38 | 19 | 0.6 | 361 | 7.4 | | |
| (C-29-7)19bcd-1 | 9-11-61 | 56 | 50 | 2/.38 | 44 | 7.3 | 49 | | 184 | 60 | 22 | - | 2.8 | - | 325 | 140 | 0 | 43 | 1.8 | 445 | 7.5 | | |
| | 21cad3/ | 7- 8-61 | 56 | 31 | .01 | 38 | 6.3 | 10 | 2.5 | 142 | 16 | 6.0 | .3 | 7.5 | 0.02 | 194 | 120 | 4 | 15 | .4 | 283 | 7.3 | |
| | 21cda-1 | 7- 8-61 | 54 | 31 | .00 | 59 | 8.8 | 14 | 2.5 | 180 | 27 | 28 | .4 | 1.9 | .04 | 266 | 184 | 36 | 14 | .4 | 414 | 7.4 | |
| | 21cdb4/ | 7- 8-61 | 57 | 32 | .01 | 36 | 7.3 | 12 | 2.9 | 144 | 15 | 7.5 | .4 | 6.9 | .03 | 190 | 120 | 2 | 17 | .5 | 289 | 7.4 | |
| (C-29-8)9bad-1 | 8- 9-62 | 64 | 44 | .11 | 248 | 30 | 63 | | 253 | 250 | 292 | .7 | .7 | - | 1,050 | 745 | 538 | 16 | 1.0 | 1,700 | 7.3 | | |
| | 25cac-2 | 9-11-61 | 68 | 69 | 2/.05 | 32 | 5.4 | 29 | 128 | 48 | 7.0 | - | .7 | - | 254 | 103 | 0 | 38 | 1.2 | 298 | 7.9 | | |
| | 31add-1 | 8-10-60 | 53 | 49 | .01 | 82 | 18 | 97 | 5.3 | 397 | 89 | 54 | .4 | 1.8 | .18 | 592 | 277 | 0 | 43 | 2.5 | 886 | 7.8 | |
| (C-29-9)36dcc5/ | 9-15-61 | 70 | 69 | .01 | 107 | 39 | 84 | | 498 | 93 | 75 | - | .6 | - | 713 | 428 | 20 | 30 | 1.8 | 1,090 | 7.9 | | |
| Escalante Valley, Black Rock district | | | | | | | | | | | | | | | | | | | | | | | |
| (C-27-10)6ddb-1 | 6-27-62 | 56 | 22 | 2/.00 | 25 | 15 | 202 | | 250 | 20 | 236 | 1.2 | .7 | 2.0 | 647 | 124 | 0 | 78 | 7.9 | 1,190 | 8.2 | | |
| Escalante Valley, Milford district | | | | | | | | | | | | | | | | | | | | | | | |
| (C-28-10)7adb-1 | 12- 2-55 | 78 | 35 | - | 13 | 5.8 | 62 | | 160 | 40 | 16 | .6 | .5 | - | 255 | 56 | 0 | 69 | 3.6 | 390 | 8.2 | | |
| | 17ccc-1 | 5-18-62 | 58 | 45 | .02 | 389 | 117 | 202 | 169 | 777 | 685 | .1 | 1.8 | .32 | 2,310 | 1,450 | 1,310 | 23 | 2.3 | 3,560 | 7.6 | | |
| | 21ccd-1 | 5- 2-59 | 58 | 53 | .01 | 160 | 95 | 68 | 146 | 346 | 320 | - | 9.9 | - | 1,120 | 790 | 670 | 16 | 1.1 | 1,810 | 8.1 | | |
| | 30bdb-2 | 9- 6-61 | 58 | 45 | 2/.10 | 281 | 47 | 99 | 254 | 551 | 228 | - | 9.9 | - | 1,390 | 895 | 687 | 19 | 1.4 | 1,920 | 7.5 | | |
| (C-28-11)25dcd-1 | 5-18-62 | 67 | 36 | .12 | 71 | 16 | 36 | | 144 | 121 | 60 | .3 | .4 | .08 | 416 | 244 | 126 | 24 | 1.0 | 668 | 7.7 | | |
| (C-29-10)5cdd-3 | 9- 6-61 | 56 | 37 | 2/.06 | 173 | 27 | 47 | | 270 | 165 | 159 | - | 34 | - | 775 | 542 | 321 | 16 | .9 | 1,190 | 7.4 | | |
| | 18add-2 | 5-18-62 | 56 | 33 | .01 | 51 | 11 | 16 | 3.0 | 141 | 41 | 38 | .2 | 1.6 | .04 | 264 | 172 | 56 | 17 | .5 | 434 | 7.2 | |
| (C-29-11)4baa-1 | 6-27-62 | 60 | 17 | 2/.01 | 120 | 81 | 356 | | 169 | 712 | 372 | 1.4 | 3.2 | .63 | 1,750 | 635 | 496 | 55 | 6.2 | 2,710 | 7.4 | | |
| | 11cdd-2 | 5-18-62 | 58 | 38 | .06 | 71 | 25 | 39 | 4.5 | 140 | 74 | 108 | .4 | 28 | .09 | 457 | 279 | 164 | 23 | 1.0 | 797 | 7.2 | |
| | 12ddd-1 | 5- 2-59 | 58 | 37 | .01 | 78 | 16 | 22 | 130 | 49 | 104 | - | 4.9 | - | 375 | 261 | 154 | 15 | .6 | 644 | 8.2 | | |
| | 28add-2 | 5-18-62 | 57 | 43 | .02 | 131 | 23 | 81 | 6.2 | 189 | 160 | 195 | .2 | 6.0 | .15 | 739 | 422 | 267 | 29 | 1.7 | 1,220 | 7.2 | |

Table 4.--Chemical analyses of water from selected wells and springs in the Beaver, Escalante, Cedar City, and Parowan Valleys - Continued

| Well number | Date of collection | Temperature (°F) | Parts per million | | | | | | | | | | | | | | | | | | pH | |
|--|--------------------|------------------|----------------------------|-----------|--------------|----------------|-------------|---------------|---------------------------------|----------------------------|---------------|--------------|----------------------------|-----------|------------------|-------------------------------|--|----------------|-------------------------------|---|-----|--|
| | | | Silica (SiO ₂) | Iron (Fe) | Calcium (Ca) | Magnesium (Mg) | Na + K | | Bicarbonate (HCO ₃) | Sulfate (SO ₄) | Chloride (Cl) | Fluoride (F) | Nitrate (NO ₃) | Boron (B) | Dissolved solids | Hardness as CaCO ₃ | Noncarbonate hardness as CaCO ₃ | Percent sodium | Sodium adsorption ratio (SAR) | Specific conductance (microhm/cm at 25°C) | | |
| | | | | | | | Sodium (Na) | Potassium (K) | | | | | | | | | | | | | | |
| Escalante Valley, Milford district - Continued | | | | | | | | | | | | | | | | | | | | | | |
| (C-30-9)7acc-1 | 6-27-62 | 92 | 32 | 2/0.00 | 111 | 23 | 190 | | 230 | 477 | 65 | 3.3 | 0.5 | 0.42 | 1,020 | 372 | 183 | 53 | 4.3 | 1,460 | 7.7 | |
| (C-30-10)10baa-1 | 6- 6-60 | 56 | 34 | .05 | 122 | 26 | 32 | | 217 | 113 | 124 | - | 13 | - | 571 | 412 | 234 | 14 | .7 | 942 | 8.0 | |
| 19abd-1 | 9- 6-61 | 70 | 60 | 2/.03 | 40 | 8.5 | 43 | | 147 | 54 | 34 | - | 5.2 | - | 317 | 135 | 14 | 41 | 1.6 | 438 | 7.7 | |
| (C-30-12)286/ | 10-17-54 | (2/) | 112 | 2/.78 | 82 | 11 | 370 | 51 | 384 | 458 | 212 | 6.0 | .6 | - | 1,490 | 250 | 0 | 72 | 10 | 2,160 | 7.1 | |
| (C-30-13)22ccc-1 | 6-27-62 | 59 | 34 | 4.2 | 89 | 23 | 54 | | 167 | 107 | 130 | .6 | 1.5 | - | 521 | 318 | 181 | 27 | 1.3 | 886 | 7.6 | |
| Escalante Valley, Lund district | | | | | | | | | | | | | | | | | | | | | | |
| (C-33-13)3caa-1 | 6-27-62 | 57 | 40 | .05 | 184 | 57 | 97 | | 195 | 441 | 200 | .5 | 3.5 | - | 1,120 | 694 | 534 | 23 | 1.6 | 1,640 | 7.5 | |
| (C-34-13)16ccc-1 | 8- 9-62 | 64 | 30 | .12 | 108 | 22 | 32 | | 199 | 212 | 31 | .2 | 6.4 | - | 540 | 362 | 199 | 16 | .7 | 790 | 7.8 | |
| Escalante Valley, Beryl-Enterprise district | | | | | | | | | | | | | | | | | | | | | | |
| (C-35-15)3dec-2 | 5- 1-62 | 56 | 61 | 2/.05 | 347 | 50 | 214 | 8.0 | 198 | 736 | 428 | .2 | 5.3 | .49 | 1,950 | 1,070 | 908 | 30 | 2.8 | 2,750 | 7.5 | |
| 3ddc-1 | 5- 1-62 | 56 | 63 | 2/.02 | 347 | 56 | 478 | 8.4 | 343 | 1,270 | 412 | .4 | 7.1 | 1.5 | 2,810 | 1,100 | 814 | 48 | 6.3 | 3,850 | 7.1 | |
| (C-35-16)9add-1 | 5-23-62 | 55 | 52 | 2/.02 | 65 | 7.3 | 16 | 3.9 | 196 | 23 | 32 | .2 | 2.7 | .03 | 298 | 191 | 30 | 15 | .5 | 450 | 7.3 | |
| (C-36-15)7dba-1 | 7- 7-59 | 87 | 76 | .01 | 53 | 3.4 | 267 | | 91 | 492 | 93 | - | 12 | - | 1,040 | 146 | 71 | 80 | 9.6 | 1,580 | 7.7 | |
| 7dce-1 | 5- 5-59 | 85 | 81 | .00 | 71 | 10 | 315 | | 96 | 624 | 118 | - | 11 | - | 1,280 | 219 | 140 | 76 | 9.2 | 1,740 | 7.5 | |
| 9dbc-1 | 4- 6-59 | 55 | 34 | .03 | 143 | 28 | 34 | | 8/170 | 134 | 125 | - | 114 | - | 698 | 474 | 335 | 13 | .7 | 1,190 | 8.5 | |
| (C-36-16)5a-9 | 5-23-62 | 57 | 40 | 2/.02 | 199 | 14 | 26 | 7.0 | 250 | 92 | 208 | .3 | 20 | .03 | 729 | 554 | 349 | 9 | .5 | 1,220 | 7.5 | |
| 6c-3 | 5-29-59 | 58 | 60 | .00 | 53 | 8.0 | 22 | | 188 | 12 | 31 | - | 2.7 | - | 281 | 164 | 10 | 23 | .8 | 407 | 8.2 | |
| 31ccc-1 | 9- 7-61 | 51 | 35 | 2/.09 | 65 | 10 | 28 | | 242 | 25 | 24 | - | 7.8 | - | 314 | 204 | 6 | 23 | .9 | 473 | 7.5 | |
| (C-36-17)2d2/ | 5- 5-59 | 64 | 104 | .00 | 150 | 27 | 28 | | 238 | 71 | 187 | - | 17 | - | 701 | 486 | 291 | 11 | .5 | 1,100 | 7.5 | |
| 2d-2 | 10-20-61 | 63 | 46 | 2/.00 | 49 | 4.6 | 26 | | 168 | 16 | 29 | - | 3.3 | - | 257 | 141 | 3 | 29 | 1.0 | 381 | 7.5 | |
| (C-37-17)12bdc-1 | 8- 3-60 | 55 | 59 | .00 | 75 | 13 | 29 | 4.3 | 278 | 24 | 29 | .1 | 23 | .02 | 393 | 240 | 125 | 20 | .8 | 572 | 7.6 | |
| 14bac-1 | 8- 3-60 | 55 | 65 | .00 | 69 | 14 | 33 | 5.7 | 292 | 23 | 30 | .2 | 5.6 | .04 | 390 | 227 | 0 | 23 | 1.0 | 567 | 7.8 | |
| Cedar City Valley | | | | | | | | | | | | | | | | | | | | | | |
| (C-33-10)29adc-1 | 6-27-62 | 58 | 31 | .19 | 63 | 21 | 73 | | 166 | 70 | 74 | .3 | 109 | - | 523 | 244 | 108 | 39 | 2.0 | 886 | 7.5 | |
| (C-33-12)11aaa-1 | 6-28-62 | 57 | 38 | .46 | 108 | 33 | 88 | | 210 | 291 | 83 | .7 | 1.3 | - | 746 | 404 | 232 | 32 | 1.9 | 1,090 | 7.5 | |
| (C-34-11)36cdd-2 | 8- 5-60 | 67 | 37 | .01 | 46 | 28 | 26 | 5.1 | 234 | 67 | 20 | .4 | 1.8 | .11 | 346 | 230 | 38 | 19 | .7 | 522 | 7.9 | |
| (C-35-11)13dda-1 | 5- 4-59 | 57 | 53 | .00 | 64 | 35 | 26 | | 260 | 79 | 34 | - | 20 | - | 439 | 303 | 90 | 16 | .6 | 675 | 8.1 | |
| 33aac-1 | 8- 5-60 | 53 | 23 | .01 | 212 | 91 | 28 | 3.7 | 298 | 666 | 20 | .1 | .5 | .08 | 1,190 | 904 | 660 | 6 | .4 | 1,520 | 7.5 | |
| (C-35-12)34dcd-1 | 5-26-59 | 54 | 30 | .00 | 72 | 42 | 34 | | 183 | 239 | 18 | - | 2.9 | - | 528 | 352 | 202 | 18 | .8 | 777 | 7.9 | |
| (C-36-11)18ada-1 | 5-23-62 | 57 | 35 | 2/.05 | 243 | 96 | 53 | 2.9 | 246 | 779 | 68 | .1 | 27 | .16 | 1,430 | 1,000 | 800 | 10 | .7 | 1,820 | 7.8 | |
| 18bdc-1 | 2- 3-58 | 56 | 28 | - | 113 | 62 | 31 | | 171 | 367 | 55 | - | 6.0 | - | 746 | 538 | 398 | 11 | .6 | 1,080 | 7.7 | |
| (C-36-12)12dba-1 | 9- 5-61 | 56 | 22 | 2/.09 | 86 | 40 | 17 | | 177 | 231 | 17 | - | 7.8 | - | 508 | 380 | 235 | 9 | .4 | 712 | 7.6 | |
| 20acc-1 | 11- 9-61 | 59 | 34 | 2/.01 | 76 | 17 | 25 | | 162 | 36 | 100 | - | 2.4 | - | 370 | 260 | 127 | 17 | .7 | 624 | 7.4 | |
| 33abc-1 | 5-26-59 | 53 | 124 | .00 | 36 | 7.3 | 15 | | 146 | 8.8 | 17 | - | .8 | - | 281 | 120 | 0 | 22 | .6 | 286 | 7.7 | |
| (C-37-12)11aab-1 | 7-13-59 | 70 | 54 | .02 | 47 | 28 | 34 | | 178 | 137 | 12 | - | 3.0 | - | 403 | 234 | 88 | 24 | 1.0 | 586 | 7.7 | |
| 23acb-1 | 8-16-60 | 57 | 16 | .01 | 51 | 22 | 33 | 2.0 | 162 | 135 | 18 | .0 | 1.0 | .14 | 358 | 218 | 85 | 25 | 1.0 | 538 | 7.7 | |
| 23bbd-1 | 4-22-59 | 54 | 28 | .01 | 473 | 243 | 463 | | 166 | 1,010 | 1,380 | - | 66 | - | 3,750 | 2,180 | 2,040 | 32 | 4.3 | 5,690 | 8.2 | |
| 34abb-1 | 9- 5-61 | 53 | 16 | 2/.07 | 88 | 33 | 26 | | 268 | 154 | 13 | - | 15 | - | 477 | 353 | 133 | 14 | .6 | 689 | 7.8 | |
| (C-38-12)19aaa-1 | 8- 9-60 | 56 | 20 | .00 | 246 | 88 | 39 | 3.2 | 242 | 811 | 26 | .1 | 5.5 | .14 | 1,360 | 975 | 777 | 8 | .5 | 1,680 | 7.5 | |
| Parowan Valley | | | | | | | | | | | | | | | | | | | | | | |
| (C-32-8)22bbb-1 | 4- 4-59 | 58 | 62 | .00 | 19 | 5.6 | 27 | | 125 | 6.4 | 15 | - | .6 | - | 197 | 71 | 0 | 46 | 1.4 | 257 | 8.1 | |
| 35bcb-1 | 4- 4-59 | 51 | 7.2 | .03 | 12 | 2.7 | 19 | | 48 | 1.5 | 28 | - | .4 | - | 106 | 40 | 1 | 50 | 1.3 | 175 | 7.9 | |
| (C-33-8)21dcc-1 | 9- 4-57 | 52 | 19 | .05 | 64 | 22 | 20 | | 315 | 13 | 14 | - | 7.1 | - | 314 | 252 | 0 | 15 | .6 | 527 | 7.4 | |
| 31ccc-2 | 9-26-61 | 48 | 28 | 2/.06 | 59 | 20 | 30 | | 250 | 31 | 38 | - | 5.0 | - | 334 | 230 | 25 | 22 | .9 | 540 | 7.8 | |
| (C-33-9)24aba-1 | 4- 4-62 | 50 | 4.6 | 2/.11 | 10 | 2.9 | 58 | 1.2 | 107 | 19 | 41 | .4 | .1 | .04 | 190 | 38 | 0 | 76 | 4.1 | 345 | 7.9 | |
| 32cdd-4 | 5- 4-59 | 55 | 36 | .00 | 30 | 18 | 13 | | 10/183 | 17 | 6.0 | - | .7 | - | 211 | 148 | 0 | 16 | .5 | 321 | 8.4 | |
| 33aad-1 | 8- 5-60 | 51 | 32 | .01 | 32 | 19 | 12 | 2.2 | 196 | 20 | 8.0 | .2 | 3.0 | .01 | 224 | 158 | 0 | 14 | .4 | 346 | 8.0 | |
| 33abd-1 | 4- 4-59 | 58 | 30 | .01 | 27 | 17 | 17 | | 11/178 | 17 | 7.0 | - | 1.8 | - | 205 | 139 | 0 | 21 | .6 | 310 | 8.4 | |
| 34cbd-1 | 10-16-57 | 54 | 34 | .01 | 46 | 18 | 18 | | 210 | 21 | 23 | - | 4.5 | - | 268 | 190 | 18 | 17 | .6 | 430 | 8.0 | |
| 34dcd-2 | 5- 4-59 | 54 | 28 | .00 | 51 | 27 | 13 | | 281 | 19 | 9.5 | - | 6.3 | - | 292 | 241 | 11 | 10 | .4 | 479 | 7.8 | |
| 35acd-2 | 9-26-61 | 55 | 26 | 2/.02 | 57 | 21 | 18 | | 252 | 28 | 18 | - | 8.6 | - | 301 | 228 | 21 | 15 | .5 | 481 | 7.6 | |
| (C-34-8)31ddb-1 | 9-10-57 | 49 | 20 | .05 | 72 | 26 | 8.5 | | 302 | 41 | 10 | - | .4 | - | 327 | 286 | 38 | 6 | .2 | 515 | 7.4 | |
| (C-34-9)3bcd-1 | 8- 5-60 | 54 | 34 | .00 | 50 | 26 | 10 | 2.5 | 274 | 22 | 8.0 | .1 | 6.3 | .00 | 294 | 232 | 7 | 9 | .3 | 454 | 7.8 | |
| 16cdd-2 | 10-31-61 | 52 | 31 | 2/.00 | 63 | 23 | 15 | | 298 | 21 | 8.5 | - | 5.8 | - | 314 | 250 | 6 | 12 | .4 | 493 | 7.4 | |
| (C-34-10)13cbd-1 | 9-11-61 | 54 | 40 | 2/.02 | 46 | 22 | 22 | | 244 | 32 | 12 | - | 2.9 | - | 297 | 205 | 5 | 19 | .7 | 436 | 7.8 | |

Table 4.--Chemical analyses of water from selected wells and springs in the Beaver, Escalante, Cedar City, and Parowan Valleys - Continued

- 1/ Dissolved solids calculated from determined constituents.
- 2/ In solution at time of collection.
- 3/ Spring north of Beaver Fish Hatchery. Approximate location.
- 4/ Spring east of Beaver Fish Hatchery. Approximate location.
- 5/ Spring in bottom of Minersville Reservoir. Approximate location.
- 6/ Thermo Hot Springs. Approximate location. Covers several acres.
- 7/ Temperature on August 9, 1962, was 167°F.
- 8/ Includes equivalent of 9 ppm carbonate (CO_3).
- 9/ Mine shaft. Sample taken from water pumped from shaft. Approximately 300 yards south of well 2d-1.
- 10/ Includes equivalent of 5 ppm carbonate (CO_3).
- 11/ Includes equivalent of 6 ppm carbonate (CO_3).

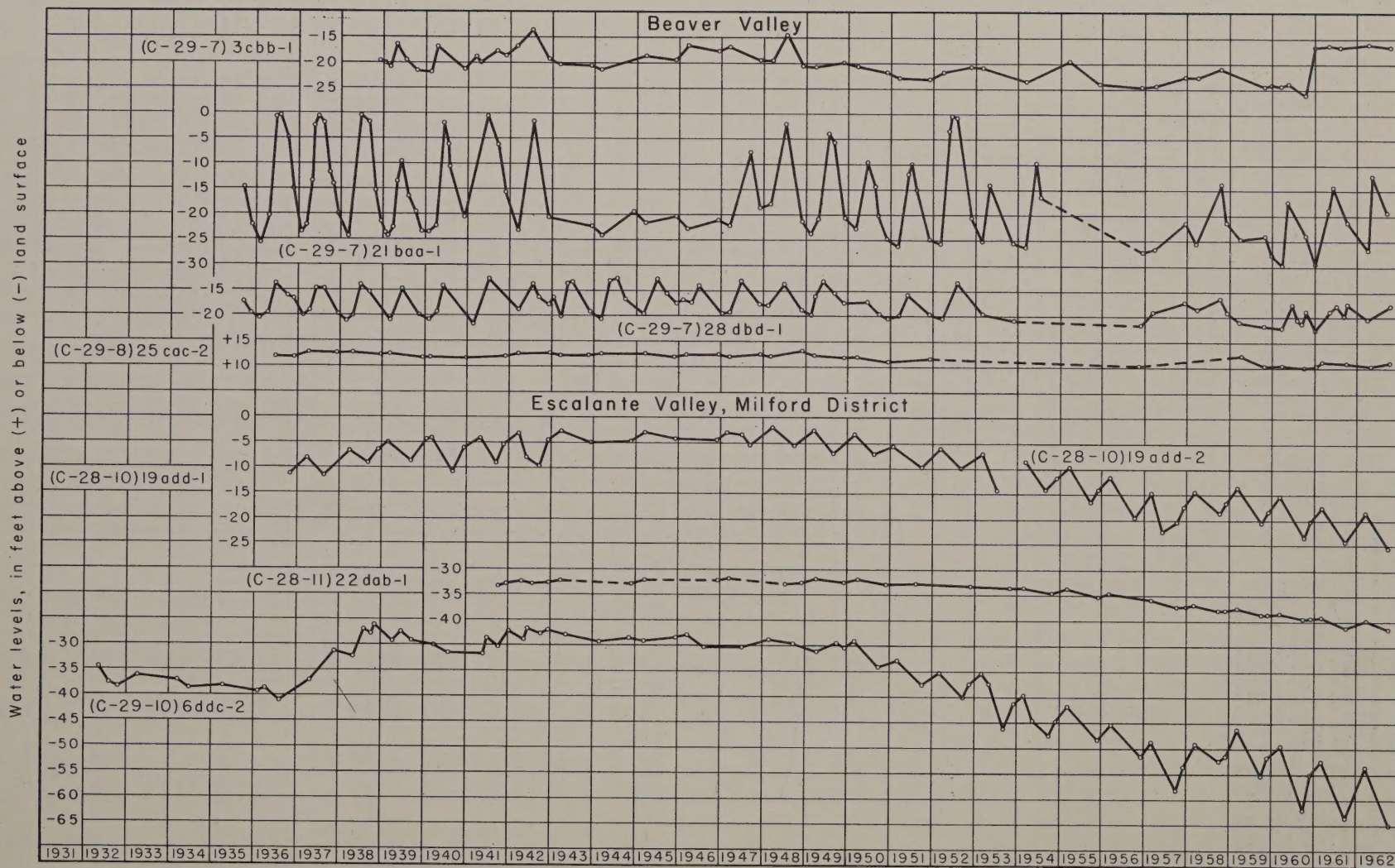


Figure 2.—Hydrographs of 30 selected wells in the Beaver, Escalante, Cedar City, and Parowan Valleys.

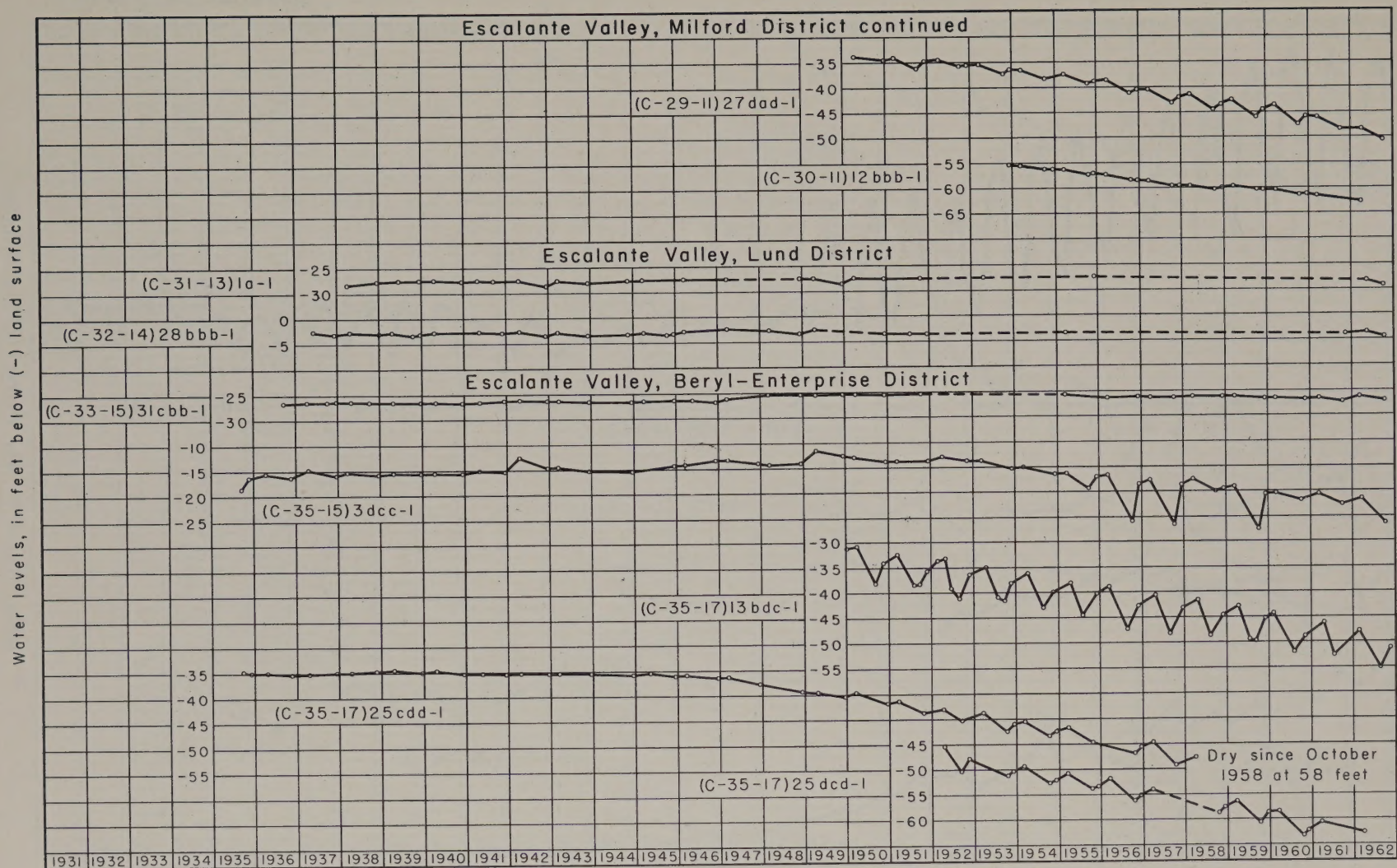


Figure 2. - Continued.

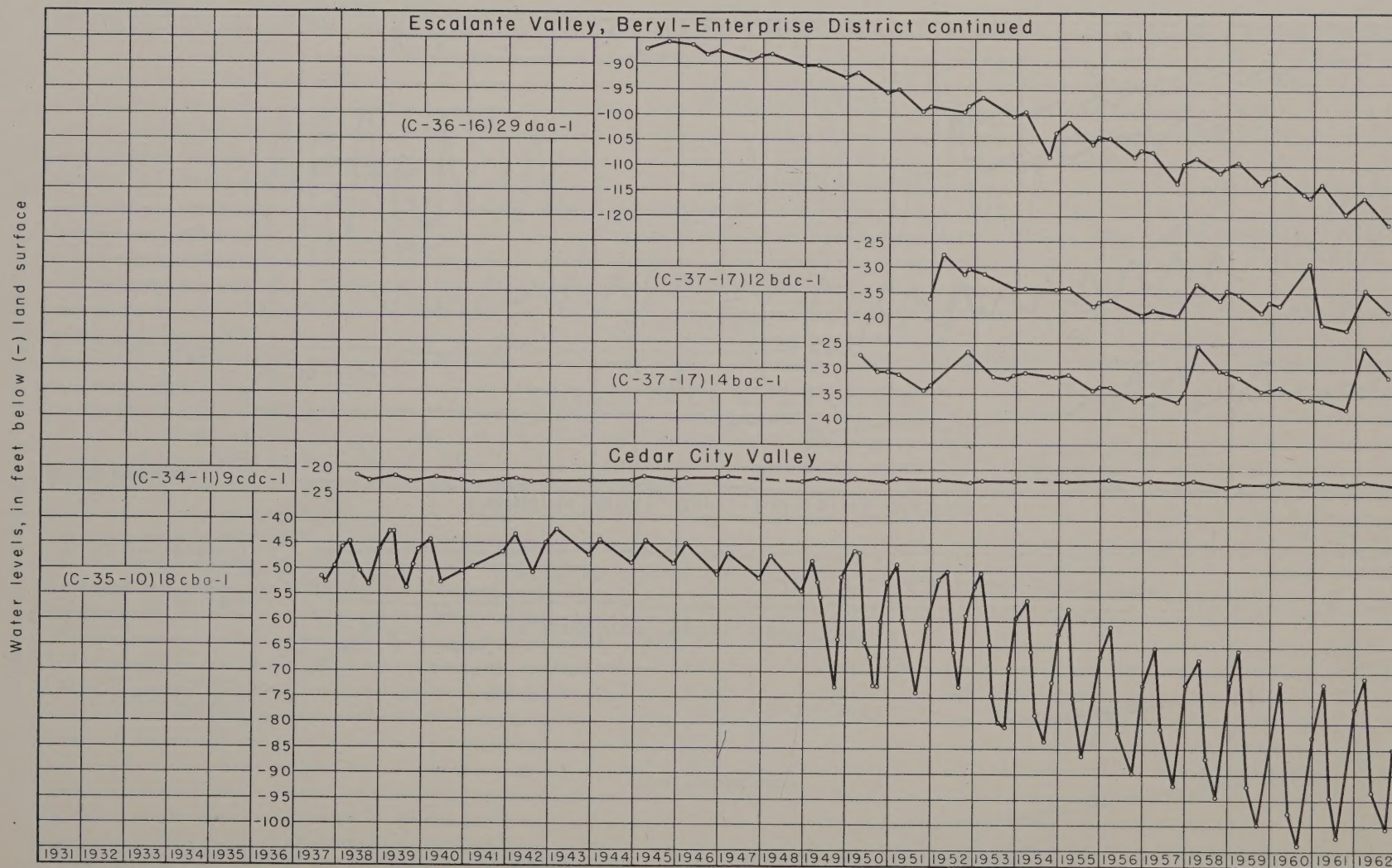


Figure 2. - Continued.

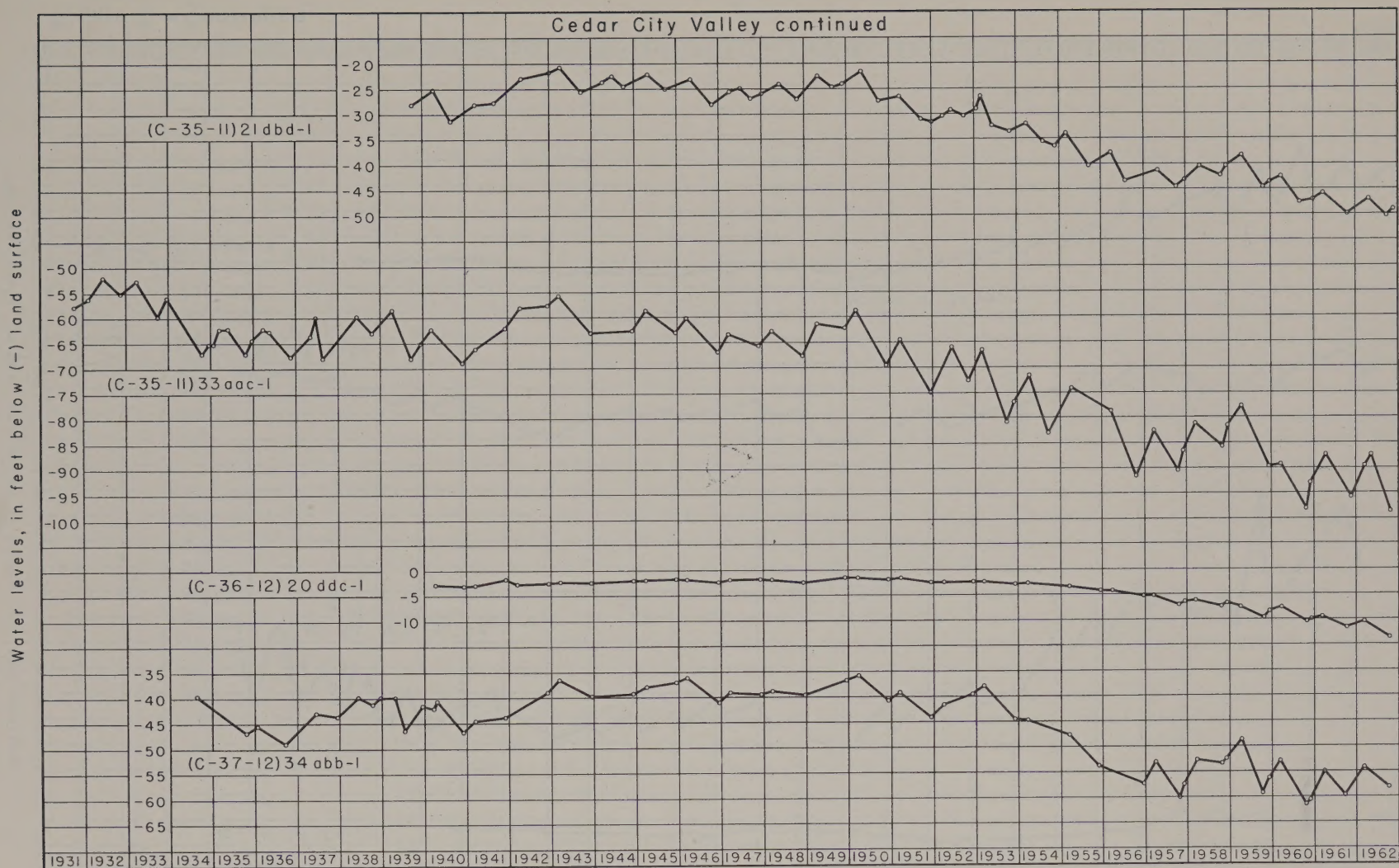


Figure 2. - Continued.

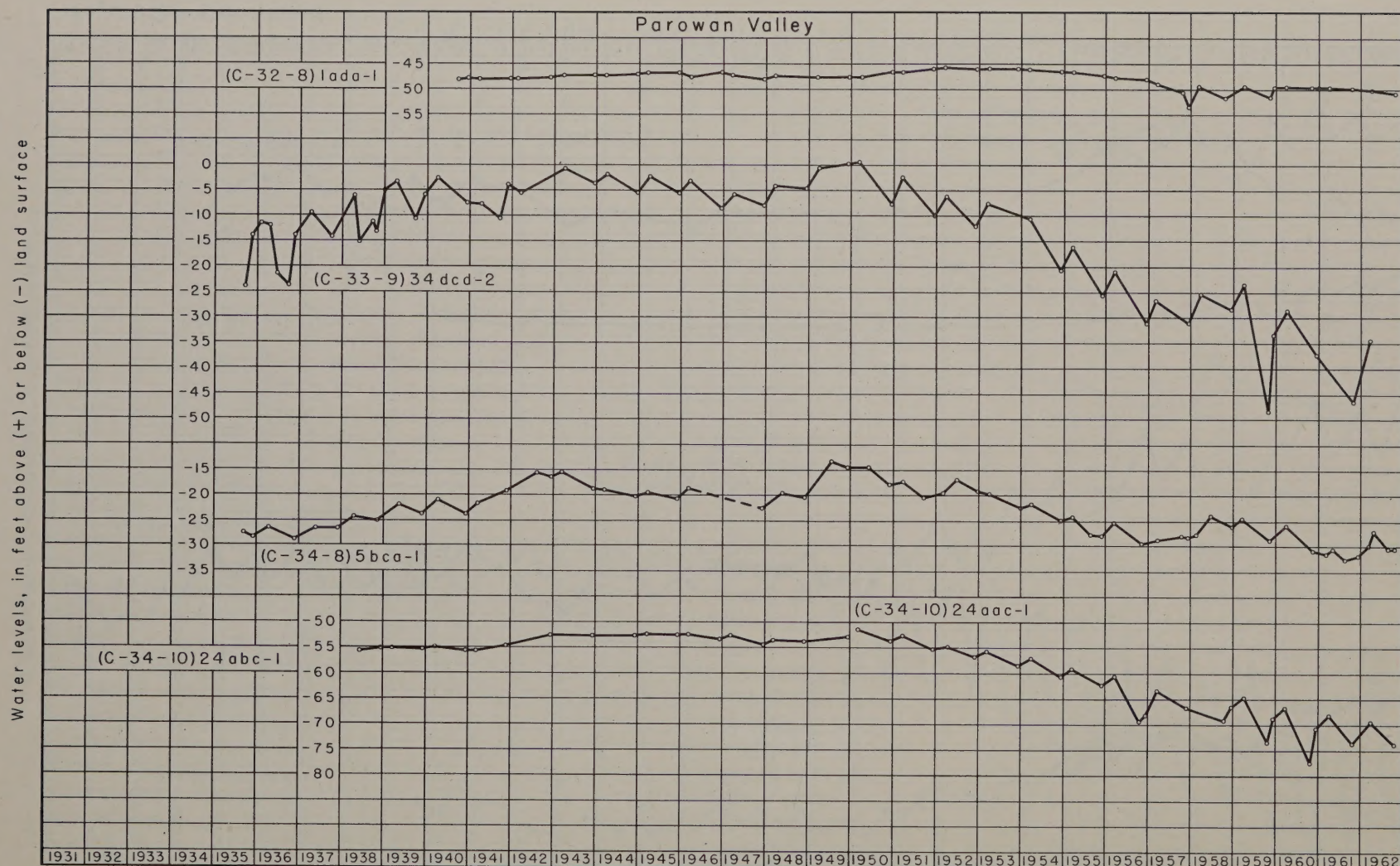


Figure 2. - Continued.

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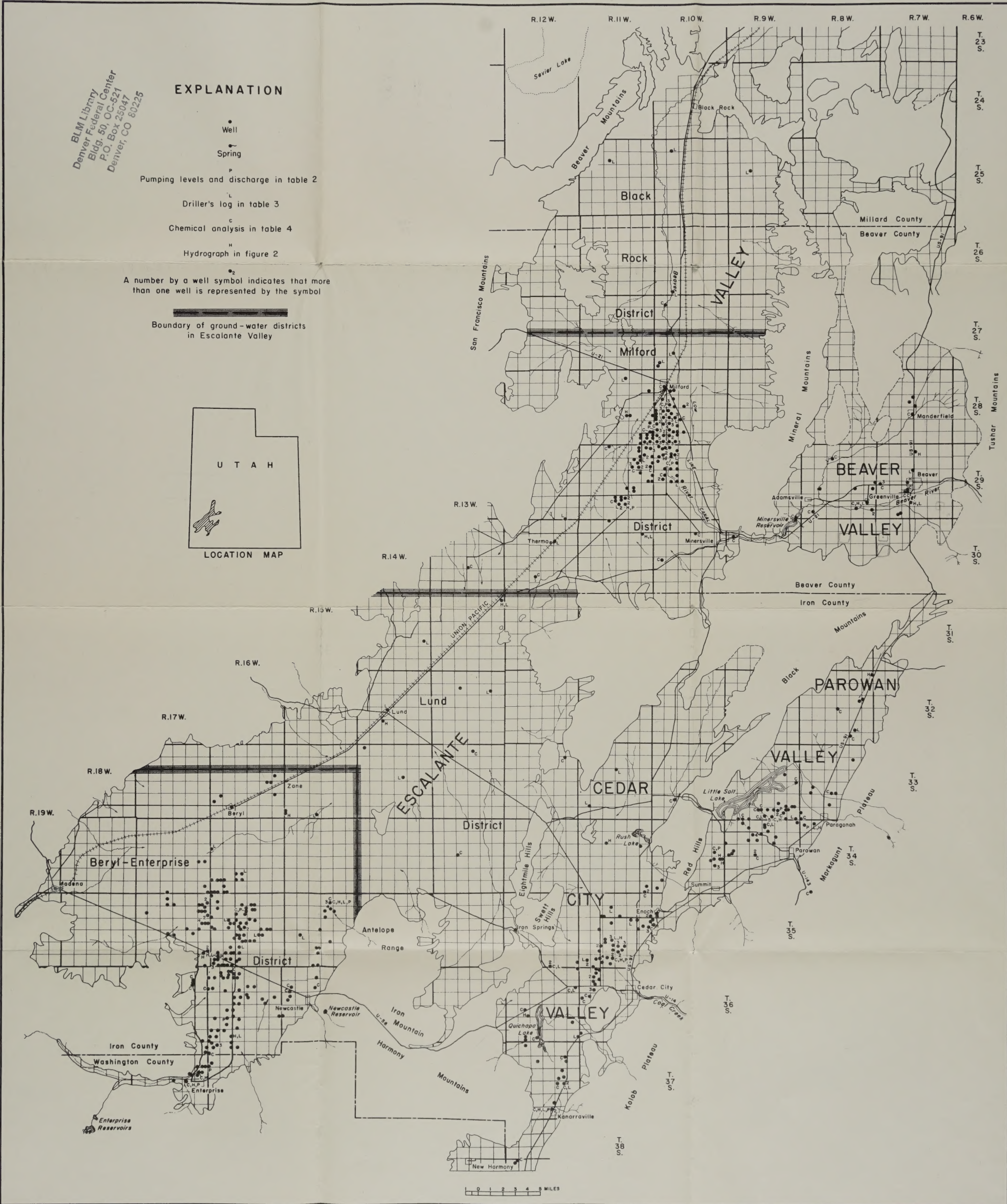
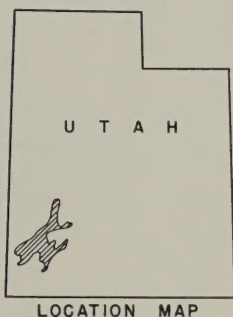
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PLATE I

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EXPLANATION

- Well
- Spring
- Pumping levels and discharge in table 2
- Driller's log in table 3
- Chemical analysis in table 4
- Hydrograph in figure 2
- A number by a well symbol indicates that more than one well is represented by the symbol

Boundary of ground-water districts in Escalante Valley



Base derived from general highway maps, Millard, Beaver, Iron, Washington Counties, 1956-61

Hydrology by G.W. Sandberg

MAP OF THE BEAVER, ESCALANTE, CEDAR CITY, AND PAROWAN VALLEYS SHOWING THE LOCATION OF WELLS, SPRINGS, SITES SELECTED FOR WATER SAMPLING, AND THE GROUND-WATER DISTRICTS

